FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Motiva Enterprises LLC

AUTHORIZING THE OPERATION OF
Port Arthur Chemicals
Petrochemical Manufacturing

LOCATED AT
Jefferson County, Texas
Latitude 29° 54′ 6″ Longitude 93° 57′ 56″
Regulated Entity Number: RN100217389

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1317 Issuance Date: October 18, 2023

For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart YY as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.560 which incorporates the 40 CFR Part 63 Subpart by reference.

F. Emission units subject to 40 CFR Part 63, Subpart G as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.120 which incorporates the 40 CFR Part 63 Subpart by reference.

G. Emission units subject to 40 CFR Part 63, Subpart F as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.110 which incorporates the 40 CFR Part 63 Subpart by reference.

H. Emission units subject to 40 CFR Part 63, Subpart DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1130 which incorporates the 40 CFR Part 63 Subpart by reference.

I. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

J. Emission units subject to 40 CFR Part 63, Subpart H as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.130 which incorporates the 40 CFR Part 63 Subpart by reference.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the

emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each

calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be

accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

F. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(a)(1).

5. For industrial wastewater specified in 30 TAC Chapter 115, Subchapter B, the permit holder shall comply with the following requirements for wastewater drains, junction boxes, lift stations and weirs:

A. Title 30 TAC § 115.142 (relating to Control Requirements)

B. Title 30 TAC § 115.142(1)(A) - (D) (relating to Control Requirements)

C. Title 30 TAC § 115.142(1)(E) and (F) (relating to Control Requirements)

D. Title 30 TAC § 115.142(1)(G) and (H) (relating to Control Requirements)

E. Title 30 TAC § 115.144(1), (5), and (6) (relating to Inspection and Monitoring Requirements)

F. Title 30 TAC § 115.145 (relating to Approved Test Methods)

G. Title 30 TAC § 115.146 (relating to Recordkeeping Requirements)

H. Title 30 TAC § 115.148 (relating to Determination of Wastewater Characteristics)

6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities specified in 30 TAC Chapter 115, Subchapter C, the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 115.221 (relating to Emission Specifications)

(ii) Title 30 TAC § 115.222 (relating to Control Requirements)

(iii) Title 30 TAC § 115.223 (relating to Alternate Control Requirements)

(iv) Title 30 TAC § 115.224 (relating to Inspection Requirements)

(v) Title 30 TAC § 115.225 (relating to Testing Requirements)

(vi) Title 30 TAC § 115.226 (relating to Recordkeeping Requirements)

7. The permit holder shall comply with the following requirements of 30 TAC Chapter 115, Subchapter F, Division 3, Degassing of Storage Tanks, Transport Vessels and Marine Vessels:

A. For degassing of stationary VOC storage tanks, the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 115.541(a) - (c) (relating to Emission Specifications)

(ii) Title 30 TAC § 115.541(f) (relating to Emission Specifications), for floating roof storage tanks

(iii) Title 30 TAC § 115.542(a) and (a)(1), (a)(2), (a)(3) or (a)(4) (relating to Control Requirements). Where the requirements of 30 TAC Chapter 115, Subchapter F contain multiple compliance options, the permit holder shall keep records of when each compliance option was used.

(iv) Title 30 TAC § 115.542(b) - (d), (relating to Control Requirements)

(v) Title 30 TAC § 115.543 (relating to Alternate Control Requirements)

(vi) Title 30 TAC § 115.544(a)(1) and (a)(2) (relating to Inspection, Monitoring, and Testing Requirements), for inspections

(vii) Title 30 TAC § 115.544(b) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring

(viii) Title 30 TAC § 115.544(b)(1) and (b)(2) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring of control devices

(ix) Title 30 TAC § 115.544(b)(2)(A) - (J) (relating to Inspection, Monitoring, and Testing Requirements), for monitoring (as appropriate to the control device)

(x) Title 30 TAC § 115.544(b)(3), (b)(4) and (b)(6) (relating to Inspection, Monitoring, and Testing Requirements), for VOC concentration or lower explosive limit threshold monitoring

(xi) Title 30 TAC § 115.544(c), and (c)(1) - (c)(3) (relating to Inspection, Monitoring, and Testing Requirements), for testing of control devices used to comply with 30 TAC § 115.542(a)(1)

(xii) Title 30 TAC § 115.545(1) - (7), (9) - (11) and (13) (relating to Approved Test Methods)

(xiii) Title 30 TAC § 115.546(a), (a)(1) and (a)(3) (relating to Recordkeeping and Notification Requirements), for recordkeeping

(xiv) Title 30 TAC § 115.546(a)(2) and (a)(2)(A) - (J) (relating to Recordkeeping and Notification Requirements), for recordkeeping (as appropriate to the control device)

(xv) Title 30 TAC § 115.546(a)(4) (relating to Recordkeeping and Notification Requirements), for recordkeeping of testing of control devices used to comply with 30 TAC § 115.542(a)(1)

(xvi) Title 30 TAC § 115.547(4) (relating to Exemptions)

8. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

9. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 61.05 (relating to Prohibited Activities)

B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)

C. Title 40 CFR § 61.09 (relating to Notification of Start-up)

D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)

E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)

F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)

G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)

H. Title 40 CFR § 61.15 (relating to Modification)

I. Title 40 CFR § 61.19 (relating to Circumvention)

10. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)

B. Title 40 CFR § 61.342(c)(2) (relating to Standards: General)

C. For exempting waste streams:

(i) Title 40 CFR § 61.342(c)(3)(i) (relating to Standards: General)

(ii) Title 40 CFR § 61.342(c)(3)(ii)(A) - (C) (relating to Standards: General)

D. Title 40 CFR § 61.342(f)(1), and (2) (relating to Standards: General)

E. Title 40 CFR § 61.342(g) (relating to Standards: General)

F. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)

G. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)

H. Title 40 CFR § 61.355(j) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures

I. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)

J. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)

K. Title 40 CFR § 61.356(b)(2)(i) - (ii) (relating to Recordkeeping Requirements)

L. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)

M. Title 40 CFR § 61.356(c) (relating to Recordkeeping Requirements)

N. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)

O. Title 40 CFR § 61.357(d)(3) (relating to Reporting Requirements)

P. Waste generated by remediation activities at these facilities are subject to the requirements identified under 40 CFR § 61.342 for treatment and management of waste

11. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)

B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)

C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)

D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)

12. For facilities with individual drain systems subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:

A. Title 40 CFR § 61.346(a)(1)(i)(A), (B), (ii), (2), and (3) (relating to Standards: Individual Drain Systems)

B. Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)

C. Title 40 CFR § 61.346(b)(2)(ii)(A) (relating to Standards: Individual Drain Systems), for junction boxes

D. Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes

E. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)

F. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)

G. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)

13. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

14. For the chemical manufacturing process specified in 40 CFR Part 63, Subpart F, the permit holder shall comply with 40 CFR § 63.103(a) (relating to General Compliance, Reporting, and Recordkeeping Provisions) (Title 30 TAC Chapter 113, Subchapter C, § 113.110 incorporated by reference).

15. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 1 or Group 2 wastewater streams that are also subject to 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):

A. Title 40 CFR § 63.110(e)(1) (relating to Applicability), for 40 CFR Part 63, Subpart G applicability to Group 1 or 2 Wastewater Streams

16. For the chemical manufacturing facilities with a 40 CFR Part 63, Subpart G Group 2 wastewater stream, the permit holder shall comply with (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):

A. Title 40 CFR § 63.132(a), (a)(1), and (a)(1)(i) (relating to Process Wastewater Provisions - General)

B. Title 40 CFR § 63.146(b)(1) (relating to Process Wastewater Provisions - Reporting)

C. Title 40 CFR § 63.147(b)(8) (relating to Process Wastewater Provisions - Recordkeeping)

17. For the chemical manufacturing facilities subject to leak detection requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):

A. General Leak Detection Requirements:

(i) Title 40 CFR § 63.148(d)(1) - (3), and (e) (relating to Leak Inspection Provisions)

(ii) Title 40 CFR § 63.148(c), (g), (g)(2), (h), and (h)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements

(iii) Title 40 CFR §§ 63.148(g)(2), (h)(2), (i)(1) - (2), (i)(4)(i) - (viii), (i)(5), and 63.152(a)(1) - (5), for recordkeeping requirements

(iv) Title 40 CFR §§ 63.148(j), 63.151(a)(6)(i) - (iii), (b)(1) - (2), (j)(1) - (3), 63.152(a)(1) - (5), (b), (b)(1)(i) - (ii), and (b)(4), for reporting requirements

B. For closed vent system or vapor collection systems constructed of hard piping:

(i) Title 40 CFR § 63.148(b)(1)(ii) (relating to Leak Inspection Provisions), for monitoring and testing requirements

(ii) Title 40 CFR § 63.148(i)(6) (relating to Leak Inspection Provisions), for recordkeeping requirements

C. For facilities not operating flow indicators:

(i) Title 40 CFR § 63.148(f)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements

(ii) Title 40 CFR § 63.148(i)(3)(ii) (relating to Leak Inspection Provisions), for recordkeeping requirements

(iii) Title 40 CFR § 63.148(j)(3) (relating to Leak Inspection Provisions), for reporting requirements

18. For the chemical manufacturing facilities subject to wastewater operations requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):

A. Title 40 CFR § 63.135(a) - (f) (relating to Process Wastewater Provisions - Containers)

B. Title 40 CFR § 63.136(a) (relating to Process Wastewater Provisions - Individual Drain Systems)

C. Title 40 CFR § 63.136(b) - (d) (relating to Process Wastewater Provisions - Individual Drain Systems)

D. Title 40 CFR § 63.136(e) - (g) (relating to Process Wastewater Provisions - Individual Drain Systems)

19. For transfer of waste from ethylene production facilities subject to 40 CFR Part 63, Subpart YY the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.560 incorporated by reference):

A. Title 40 CFR § 63.1096(a) - (d) (Title 30 TAC Chapter 113, Subchapter C, § 113.550 incorporated by reference)

B. Title 40 CFR § 63.1109(a) and (c)

20. For benzene laden waste streams from ethylene process facilities subject to 40 CFR Part 63, Subpart YY with total annual benzene quantity from the facility of 10 megagrams per year or more the permit holder shall comply with the following requirements as specified in 40 CFR § 63.1095(b)(2) (Title 30 TAC Chapter 113, Subchapter C, § 113.560 incorporated by reference):

A. For facilities with waste managed in containers the permit holder shall comply with the following requirements:

(i) Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)

(ii) Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)

(iii) Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)

B. For facilities with waste managed in individual drain systems the permit holder shall comply with the following requirements:

(i) Title 40 CFR § 61.346(a)(1)(i)(A), (B), (ii), (2), and (3) (relating to Standards: Individual Drain Systems)

(ii) Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)

(iii) Title 40 CFR § 61.346(b)(2)(ii)(A) (relating to Standards: Individual Drain Systems), for junction boxes

(iv) Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes

(v) Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)

(vi) Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)

(vii) Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)

21. For site remediation projects that have completed all remediation activities subject to 40 CFR Part 63, Subpart GGGGG and the Administrator has been notified in writing, the permit holder shall comply with 40 CFR §§ 63.7881(d) and 63.7953(a) - (d) (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference).

22. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

23. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required

intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

24. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated February 25, 2026 in the application for project 39036), standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

    A. Are incorporated by reference into this permit as applicable requirements

    B. Shall be located with this operating permit

    C. Are not eligible for a permit shield

25. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

26. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

27. The permit holder shall comply with the following requirements for Air Quality Standard Permits:

    A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit

    B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit

    C. Boiler Standard Permit

    D. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

28. The permit holder shall comply with the following requirements for flexible permits of 30 TAC Chapter 116:

A. Title 30 TAC § 116.715 (relating to General and Special Conditions)

B. Title 30 TAC § 116.716 (relating to Emission Caps and Individual Emission Limitations)

C. Title 30 TAC § 116.717 (relating to Implementation Schedule for Additional Controls)

D. Title 30 TAC § 116.718 (relating to Significant Emission Increase)

E. Title 30 TAC § 116.720 (relating to Limitation on Physical and Operational Changes)

F. Title 30 TAC § 116.721(a) (relating to requirements for Amendments and Alterations)

Compliance Requirements

29. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

30. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:

(i) For sources in the Beaumont-Port Arthur Nonattainment area, 30 TAC § 117.9000

B. The permit holder shall comply with the Initial Control Plan unit listing requirement in 30 TAC § 117.150(c) and (c)(1).

31. Use of Emission Credits to comply with applicable requirements:

A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) Offsets for Title 30 TAC Chapter 116

B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)

(ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1

(iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

32. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

33. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

34. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

    A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

    B. The permit holder shall comply with 40 CFR Part 82, Subpart H related to Halon Emissions Reduction requirements as specified in 40 CFR § 82.250 - § 82.270 and the applicable Part 82 Appendices.

Permit Location

35. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

36. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary **20**

Applicable Requirements Summary **56**

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
10F-1102	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-1102	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	60NNN-63YY	40 CFR Part 63, Subpart YY	No changing attributes.
10F-112	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-112	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	60NNN-63YY	40 CFR Part 63, Subpart YY	No changing attributes.
10F-113	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-113	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	60NNN-63YY	40 CFR Part 63, Subpart YY	No changing attributes.
10F-115	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-115	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	60NNN-63YY	40 CFR Part 63, Subpart YY	No changing attributes.
10F-118	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-118	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
10F-285	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-7	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-299	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-299	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
10F-301	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-301	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
10F-502	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-695A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-695A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
10F-695B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
10F-695B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
10T-109	STORAGE TANKS/VESSELS	N/A	R5112-00a	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
10T-113	STORAGE TANKS/VESSELS	N/A	R5112-005	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
10T-113	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
10T-114	STORAGE TANKS/VESSELS	N/A	R5112-005	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
10T-114	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
2C-12	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
2C-12	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63GV-012N	40 CFR Part 63, Subpart G	No changing attributes.
30G-101	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
31T-104	STORAGE TANKS/VESSELS	N/A	R5112-052	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Flare
31T-104	STORAGE TANKS/VESSELS	N/A	R5112-056	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Other control device
31T-104	STORAGE TANKS/VESSELS	N/A	63GT-TANK00061	40 CFR Part 63, Subpart G	Control Device Type = Flare
31T-104	STORAGE TANKS/VESSELS	N/A	63GT-TANK00070	40 CFR Part 63, Subpart G	Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Boiler or process heater into which the vent stream is introduced with primary fuel
33P-105B	SRIC ENGINES	N/A	R7ICI-203	30 TAC Chapter 117, Subchapter B	No changing attributes.
33P-105B	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
33P-105B	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
33P-106	SRIC ENGINES	N/A	R7ICI-203	30 TAC Chapter 117, Subchapter B	No changing attributes.
33P-106	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
33P-107	SRIC ENGINES	N/A	R7ICI-203	30 TAC Chapter 117, Subchapter B	No changing attributes.
33P-107	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
34P-109A	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
34P-109B	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
34P-109C	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
34P-109D	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
34P-114A	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
34P-114A	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
34P-114B	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
34P-114B	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
34P-114S	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
34P-114S	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
34P-118S	SRIC ENGINES	N/A	R7ICI-203	30 TAC Chapter 117, Subchapter B	No changing attributes.
34P-118S	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
37G-O100	SRIC ENGINES	N/A	60JJJJ	40 CFR Part 60, Subpart JJJJ	No changing attributes.
37G-O100	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
3C-11	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
3C-11	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63GV-012N	40 CFR Part 63, Subpart G	No changing attributes.
3C-14	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
3C-14	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63GV-012N	40 CFR Part 63, Subpart G	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
3C-15	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
3C-4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
3C-4	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63GV-012N	40 CFR Part 63, Subpart G	No changing attributes.
41LG-2000	SRIC ENGINES	N/A	R7ICI-203	30 TAC Chapter 117, Subchapter B	No changing attributes.
5F-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
5F-1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
5F-11	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
5F-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
5F-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
5F-21	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
AUFLARE-1	FLARES	N/A	R1111-002	30 TAC Chapter 111, Visible Emissions	No changing attributes.
AUFLARE-1	FLARES	N/A	60A-003	40 CFR Part 60, Subpart A	No changing attributes.
AUFLARE-1	FLARES	N/A	63A-003	40 CFR Part 63, Subpart A	No changing attributes.
AUT33979	STORAGE TANKS/VESSELS	N/A	R5112-00a	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
AUT4865	STORAGE TANKS/VESSELS	N/A	R5112-056	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Other vapor destruction unit
AUT4865	STORAGE TANKS/VESSELS	N/A	R5112-068	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Carbon adsorption system
AUT4865	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using an internal floating roof (IFR)
AUT4865	STORAGE TANKS/VESSELS	N/A	63GT-004Y	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof
AUT4865	STORAGE TANKS/VESSELS	N/A	63GT-TANK00031	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Thermal incinerator, Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4865	STORAGE TANKS/VESSELS	N/A	63GT-TANK00057	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					95%., Control Device Type = Carbon adsorber, Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4866	STORAGE TANKS/VESSELS	N/A	R5112-056	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Other vapor destruction unit
AUT4866	STORAGE TANKS/VESSELS	N/A	R5112-068	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Carbon adsorption system
AUT4866	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using an internal floating roof (IFR)
AUT4866	STORAGE TANKS/VESSELS	N/A	63GT-004Y	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					space between the wall of the storage vessel and the edge of the floating roof
AUT4866	STORAGE TANKS/VESSELS	N/A	63GT-TANK00031	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Thermal incinerator, Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4866	STORAGE TANKS/VESSELS	N/A	63GT-TANK00057	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Carbon adsorber, Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4867	STORAGE TANKS/VESSELS	N/A	R5112-056	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Other vapor destruction unit
AUT4867	STORAGE TANKS/VESSELS	N/A	R5112-068	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Carbon adsorption system
AUT4867	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using an internal floating roof (IFR)

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
AUT4867	STORAGE TANKS/VESSELS	N/A	63GT-004Y	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof
AUT4867	STORAGE TANKS/VESSELS	N/A	63GT-TANK00031	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Thermal incinerator, Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4867	STORAGE TANKS/VESSELS	N/A	63GT-TANK00057	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Carbon adsorber, Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4868	STORAGE TANKS/VESSELS	N/A	R5112-056	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Other vapor destruction unit

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
AUT4868	STORAGE TANKS/VESSELS	N/A	R5112-068	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Carbon adsorption system
AUT4868	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using an internal floating roof (IFR)
AUT4868	STORAGE TANKS/VESSELS	N/A	63GT-004Y	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof
AUT4868	STORAGE TANKS/VESSELS	N/A	63GT-TANK00031	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Thermal incinerator, Design Evaluation Submitted = Results of a performance test was submitted to

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4868	STORAGE TANKS/VESSELS	N/A	63GT-TANK00057	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Carbon adsorber, Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4880	STORAGE TANKS/VESSELS	N/A	R5112-056	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Other vapor destruction unit
AUT4880	STORAGE TANKS/VESSELS	N/A	R5112-068	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using a vapor recovery system (VRS), Control Device Type = Carbon adsorption system
AUT4880	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	Tank Description = Tank using an internal floating roof (IFR)
AUT4880	STORAGE TANKS/VESSELS	N/A	63GT-004Y	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof
AUT4880	STORAGE TANKS/VESSELS	N/A	63GT-TANK00031	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31,

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Thermal incinerator, Design Evaluation Submitted = Results of a performance test was submitted to demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4880	STORAGE TANKS/VESSELS	N/A	63GT-TANK00057	40 CFR Part 63, Subpart G	NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Emission Control Type = Closed vent system (CVS) and control device (fixed roof), Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Carbon adsorber, Design Evaluation Submitted = Results of a performance test was submitted to

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					demonstrate compliance with 40 CFR § 63.119(e)., Hard Piping = The closed vent system is constructed of hard piping., Closed Vent System = Closed vent system is routing emissions to a process or fuel gas system, or is subject to § 63.148 of Subpart G., Bypass Lines = Closed vent system has by-pass lines that are sealed with a carseal or lock and key mechanism
AUT4881	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
AUT4881	STORAGE TANKS/VESSELS	N/A	63GT-004	40 CFR Part 63, Subpart G	No changing attributes.
AUT4882	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
AUT4882	STORAGE TANKS/VESSELS	N/A	63GT-004	40 CFR Part 63, Subpart G	No changing attributes.
AUT4883	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
AUT4883	STORAGE TANKS/VESSELS	N/A	63GT-004	40 CFR Part 63, Subpart G	No changing attributes.
AUT4884	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
AUT4884	STORAGE TANKS/VESSELS	N/A	63GT-004	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability =

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					The unit is not subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof
AUT4884	STORAGE TANKS/VESSELS	N/A	63GT-004Y	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability = The unit is subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = Internal floating roof, Seal Type = Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the floating roof
AUT4884	STORAGE TANKS/VESSELS	N/A	63GT-WW9	40 CFR Part 63, Subpart G	Alternate Monitoring Parameters = Alternate monitoring parameters for

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					the control device have not been requested or approved., Designated Group 1 = The tank receives a wastewater stream designated as Group 1 using the procedures described in §63.132(e), Process Wastewater = The tank receives, manages, or treats process wastewater streams, Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged., Wastewater Tank Properties = Properties do not qualify for exemption, Emission Control Type = Fixed-roof tank equipped with an internal floating roof that meets the requirements specified in 40 CFR § 63.119(b), New Source = The source is an existing source.
AUT4884	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.
AUT4884	STORAGE TANKS/VESSELS	N/A	63YY-WW	40 CFR Part 63, Subpart YY	Source Type = Tank is at an ethylene production facility.
AUT4930	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
AUT4930	STORAGE TANKS/VESSELS	N/A	60Ka-25	40 CFR Part 60, Subpart Ka	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
AUT4930	STORAGE TANKS/VESSELS	N/A	63GT-004	40 CFR Part 63, Subpart G	No changing attributes.
BF-11	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BF-12	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BF-12	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63GV-012R	40 CFR Part 63, Subpart G	No changing attributes.
BF-1A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BF-1A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63GV-012R	40 CFR Part 63, Subpart G	No changing attributes.
BF-1B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BF-1B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63GV-012R	40 CFR Part 63, Subpart G	No changing attributes.
BF-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BF-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63GV-012R	40 CFR Part 63, Subpart G	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
BF-3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
BF-3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63GV-012N	40 CFR Part 63, Subpart G	No changing attributes.
CP-31	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-6	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GAS-TK	STORAGE TANKS/VESSELS	N/A	R5112-GAS	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP115TANK	STORAGE TANKS/VESSELS	TK-10T-108, TK-1993, TK-880616, TK-890378, TK-94745, TK-97368, TK-97370, TK-981715, TK-C12474, TK-LOUCWT, TK-N80919, TK-N83932, TKLUBEOILA	R5112-00A	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPFUGS	FUGITIVE EMISSION UNITS	AUFUGS, CHXUFUGS	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
GRPFUGS	FUGITIVE EMISSION UNITS	AUFUGS, CHXUFUGS	63H-ALL	40 CFR Part 63, Subpart H	No changing attributes.
GRP_FURNACES	CHEMICAL MANUFACTURING PROCESS	LOUBOILER1, LOUBOILER2, LOUBOILER3, LOUBOILER4, LOUBOILER5, LOUBOILER6,	63YY	40 CFR Part 63, Subpart YY	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		LOUBOILER7, LOUBOILER8			
LOUBOILER1	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILER2	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILER3	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILER4	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILER5	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILER6	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILER7	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILER8	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILER9	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILER9	PROCESS HEATERS/FURNACES	N/A	63DDDDD-G1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
LOUBOILR10	PROCESS HEATERS/FURNACES	N/A	R7ICI-506X	30 TAC Chapter 117, Subchapter B	No changing attributes.
LOUBOILR10	PROCESS HEATERS/FURNACES	N/A	63DDDDD-G1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
LOUBOILR11	CHEMICAL MANUFACTURING	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	PROCESS				
LOUBOILR12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60DB	40 CFR Part 60, Subpart Db	No changing attributes.
LOUBOILR12	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDD-G1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
LOUCOOLTWR	INDUSTRIAL PROCESS COOLING TOWERS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
LOUFLARE	FLARES	N/A	R1111-002	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LOUFLARE	FLARES	N/A	60A-003	40 CFR Part 60, Subpart A	No changing attributes.
LOUFLARE	FLARES	N/A	63A-003	40 CFR Part 63, Subpart A	No changing attributes.
LOUFLARE-2	FLARES	N/A	R1111-002	30 TAC Chapter 111, Visible Emissions	No changing attributes.
LOUFLARE-2	FLARES	N/A	60A-003	40 CFR Part 60, Subpart A	No changing attributes.
LOUFLARE-2	FLARES	N/A	63A-003	40 CFR Part 63, Subpart A	No changing attributes.
LOUFUGS	FUGITIVE EMISSION UNITS	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
LOUFUGS	FUGITIVE EMISSION UNITS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
LOUHEATER1	PROCESS HEATERS/FURNACES	N/A	63DDDDD-G1	40 CFR Part 63, Subpart DDDDD	No changing attributes.
LOUPFOLR	LOADING/UNLOADING OPERATIONS	N/A	R5211-018	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
LOUT1596	STORAGE	N/A	R5112-083	30 TAC Chapter 115,	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	TANKS/VESSELS			Storage of VOCs	
LOUT1596	STORAGE TANKS/VESSELS	N/A	61FF-T05	40 CFR Part 61, Subpart FF	No changing attributes.
LOUT1596	STORAGE TANKS/VESSELS	N/A	63GT-008	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = External floating roof, Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal
LOUT1596	STORAGE TANKS/VESSELS	N/A	63GT-WW9	40 CFR Part 63, Subpart G	Alternate Monitoring Parameters = Alternate monitoring parameters for the control device have not been requested or approved., Designated Group 1 = The tank receives a wastewater stream designated as Group 1 using the procedures described in §63.132(e), Process Wastewater = The tank receives, manages, or treats process wastewater streams, Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					reaction, nor are the contents of the tank are sparged., Wastewater Tank Properties = Properties do not qualify for exemption, Emission Control Type = External floating roof that meets the requirements specified in 40 CFR § 63.119(c), 40 CFR § 63.120(b)(5), and 40 CFR § 63.120(b)(6), New Source = The source is an existing source.
LOUT1596	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.
LOUT1596	STORAGE TANKS/VESSELS	N/A	63YY-WW	40 CFR Part 63, Subpart YY	Source Type = Tank is at an ethylene production facility.
LOUT1597	STORAGE TANKS/VESSELS	N/A	R5112-083	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LOUT1597	STORAGE TANKS/VESSELS	N/A	61FF-T05	40 CFR Part 61, Subpart FF	No changing attributes.
LOUT1597	STORAGE TANKS/VESSELS	N/A	63GT-008	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					psi (76.6 kPa), Emission Control Type = External floating roof, Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal
LOUT1597	STORAGE TANKS/VESSELS	N/A	63GT-WW9	40 CFR Part 63, Subpart G	Alternate Monitoring Parameters = Alternate monitoring parameters for the control device have not been requested or approved., Designated Group 1 = The tank receives a wastewater stream designated as Group 1 using the procedures described in §63.132(e), Process Wastewater = The tank receives, manages, or treats process wastewater streams, Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged., Wastewater Tank Properties = Properties do not qualify for exemption, Emission Control Type = External floating roof that meets the requirements specified in 40 CFR § 63.119(c), 40 CFR § 63.120(b)(5), and 40 CFR § 63.120(b)(6), New Source = The source is an existing source.
LOUT1597	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
LOUT1597	STORAGE TANKS/VESSELS	N/A	63YY-WW	40 CFR Part 63, Subpart YY	Source Type = Tank is at an ethylene production facility.
LOUT33752	STORAGE TANKS/VESSELS	N/A	R5112-083	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LOUT33752	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-002	30 TAC Chapter 115, Water Separation	No changing attributes.
LOUT33752	STORAGE TANKS/VESSELS	N/A	61FF-T05	40 CFR Part 61, Subpart FF	No changing attributes.
LOUT33752	STORAGE TANKS/VESSELS	N/A	63GT-008	40 CFR Part 63, Subpart G	MACT Subpart F/G Applicability = The unit is a Group 1 vessel (as defined in Table 5 for existing sources or Table 6 for new sources of 40 CFR 63, Subpart G)., NESHAP Subpart Y Applicability = The unit is not subject to 40 CFR Part 61, Subpart Y., Maximum TVP = Maximum true vapor pressure of the total organic HAP in the liquid is less than 11.11 psi (76.6 kPa), Emission Control Type = External floating roof, Seal Type = Two seals, one located above the other, the primary seal being a metallic shoe seal
LOUT33752	STORAGE TANKS/VESSELS	N/A	63GT-WW9	40 CFR Part 63, Subpart G	Alternate Monitoring Parameters = Alternate monitoring parameters for the control device have not been requested or approved., Designated Group 1 = The tank receives a wastewater stream designated as Group 1 using the procedures

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					described in §63.132(e), Process Wastewater = The tank receives, manages, or treats process wastewater streams, Wastewater Tank Usage = The wastewater tank is not used for heating wastewater, treating by means of an exothermic reaction, nor are the contents of the tank are sparged., Wastewater Tank Properties = Properties do not qualify for exemption, Emission Control Type = External floating roof that meets the requirements specified in 40 CFR § 63.119(c), 40 CFR § 63.120(b)(5), and 40 CFR § 63.120(b)(6), New Source = The source is an existing source.
LOUT33752	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.
LOUT33752	STORAGE TANKS/VESSELS	N/A	63YY-WW	40 CFR Part 63, Subpart YY	Source Type = Tank is at an ethylene production facility.
LOUT33753	STORAGE TANKS/VESSELS	N/A	R5112-069	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LOUT33753	STORAGE TANKS/VESSELS	N/A	61FF-T04a	40 CFR Part 61, Subpart FF	No changing attributes.
LOUT33753	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
LOUT33755	STORAGE TANKS/VESSELS	N/A	R5112-083	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
LOUT33755	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-002	30 TAC Chapter 115, Water Separation	No changing attributes.
LOUT33755	STORAGE TANKS/VESSELS	N/A	61FF-T05	40 CFR Part 61, Subpart FF	No changing attributes.
LOUT33755	STORAGE TANKS/VESSELS	N/A	63GT-WW9	40 CFR Part 63, Subpart G	No changing attributes.
LOUT33755	STORAGE TANKS/VESSELS	N/A	63YY-003	40 CFR Part 63, Subpart YY	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.
LOUT33755	STORAGE TANKS/VESSELS	N/A	63YY-WW	40 CFR Part 63, Subpart YY	Source Type = Tank is at an ethylene production facility., Subject to §63.1106(c)(3) = Tank is controlled less stringently than Table 35 of 40 CFR Part 63, Subpart G., Process Wastewater = Tank manages a Group 1 wastewater stream subject to § 63.1106(a)., Existing Source = Ethylene production unit is located at an existing source.
LOUT33756	STORAGE TANKS/VESSELS	N/A	R5112-083	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LOUT33756	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	R5131-002	30 TAC Chapter 115, Water Separation	No changing attributes.
LOUT33756	STORAGE TANKS/VESSELS	N/A	61FF-T05	40 CFR Part 61, Subpart FF	No changing attributes.
LOUT33756	STORAGE	N/A	63GT-WW9	40 CFR Part 63, Subpart G	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	TANKS/VESSELS				
LOUT33756	STORAGE TANKS/VESSELS	N/A	63YY-003	40 CFR Part 63, Subpart YY	Source Type = Tank is located at an ethylene production facility and meets the size and vapor pressure requirements of Table 7 to be subject to § 63.1103.
LOUT33756	STORAGE TANKS/VESSELS	N/A	63YY-WW	40 CFR Part 63, Subpart YY	Source Type = Tank is at an ethylene production facility., Subject to §63.1106(c)(3) = Tank is controlled at least as stringently as Table 35 of 40 CFR Part 63, Subpart G., Process Wastewater = Tank manages a Group 1 wastewater stream subject to § 63.1106(a)., Existing Source = Ethylene production unit is located at an existing source.
LOUT33757	STORAGE TANKS/VESSELS	N/A	R5112-052	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Flare
LOUT33757	STORAGE TANKS/VESSELS	N/A	R5112-056	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Other control device, Construction Date = Date not determined since 30 TAC § 115.117(c)(3) exemption is not utilized
LOUT33757	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
LOUT33758	STORAGE TANKS/VESSELS	N/A	R5112-00c	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LOUT33758	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
LOUT33759	STORAGE	N/A	R5112-069	30 TAC Chapter 115,	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	TANKS/VESSELS			Storage of VOCs	
LOUT33759	STORAGE TANKS/VESSELS	N/A	61FF-T04a	40 CFR Part 61, Subpart FF	No changing attributes.
LOUT33759	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
LOUT33760	STORAGE TANKS/VESSELS	N/A	R5112-00c	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
LOUT33760	STORAGE TANKS/VESSELS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
LOUT33799	STORAGE TANKS/VESSELS	N/A	R5112-052	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Flare
LOUT33799	STORAGE TANKS/VESSELS	N/A	R5112-056	30 TAC Chapter 115, Storage of VOCs	Control Device Type = Other control device, Construction Date = Date not determined since 30 TAC § 115.117(c)(3) exemption is not utilized
LOUT33799	STORAGE TANKS/VESSELS	N/A	63GT-TANK00061	40 CFR Part 63, Subpart G	Control Device Type = Flare
LOUT33799	STORAGE TANKS/VESSELS	N/A	63GT-TANK00070	40 CFR Part 63, Subpart G	Control Device Design = The control device was not installed on or before December 31, 1992 or was not designed to reduce inlet emissions of total organic hazardous air pollutants by greater than or equal to 90% and less than 95%., Control Device Type = Boiler or process heater into which the vent stream is introduced with primary fuel
LOUT33799	STORAGE	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	TANKS/VESSELS				
LOUWASTE	TREATMENT PROCESS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
LOUWASTE	VOLATILE ORGANIC COMPOUND WATER SEPARATORS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
P-1	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
PROAUWW	TREATMENT PROCESS	N/A	63GTP-WWd	40 CFR Part 63, Subpart G	No changing attributes.
PROCYHON	CHEMICAL MANUFACTURING PROCESS	N/A	63F-009	40 CFR Part 63, Subpart F	No changing attributes.
PROLOU	TREATMENT PROCESS	N/A	61FFTP-WW1	40 CFR Part 61, Subpart FF	Engineering Calculations = Performance tests are used show that the control device achieves its emission limitation., Control Device Type/Operation = Boiler or process heater having a design heat input capacity less than 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen., Alternate Monitoring Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.
PROLOU	TREATMENT PROCESS	N/A	61FFTP-WW2	40 CFR Part 61, Subpart FF	Engineering Calculations = Performance tests are used show that the control device achieves its emission limitation., Control Device Type/Operation = Boiler or process

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen., Alternate Monitoring Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.
PROLOU	TREATMENT PROCESS	N/A	61FFTP-WW3	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare.
PROLOU	CHEMICAL MANUFACTURING PROCESS	N/A	63YY-060	40 CFR Part 63, Subpart YY	No changing attributes.
PROLWSU	TREATMENT PROCESS	N/A	61FFTP-WW1b	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Boiler or process heater having a design heat input capacity less than 44 MW and that achieves a total organic compound concentration of 20 ppmv on a dry basis corrected to 3% oxygen., Alternate Monitoring Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.
PROLWSU	TREATMENT PROCESS	N/A	61FFTP-WW2a	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Boiler or process heater having a design heat input capacity greater than or equal to 44 MW and that achieves a total organic compound

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					concentration of 20 ppmv on a dry basis corrected to 3% oxygen., Alternate Monitoring Parameters = Alternate monitoring parameters or requirements have not been approved by the Administrator or have not been requested.
PROLWSU	TREATMENT PROCESS	N/A	61FFTP-WW3a	40 CFR Part 61, Subpart FF	Control Device Type/Operation = Flare.
PROPDIST-NNNA	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PROPDIST-NNNA	DISTILLATION OPERATIONS	N/A	60NNNa	40 CFR Part 60, Subpart NNNa	No changing attributes.
PROPFUG	FUGITIVE EMISSION UNITS	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
PROPFUG	FUGITIVE EMISSION UNITS	N/A	60VVa	40 CFR Part 60, Subpart VVa	No changing attributes.
PROPFUG	FUGITIVE EMISSION UNITS	N/A	63H-ALL	40 CFR Part 63, Subpart H	No changing attributes.
PROPFUG-VVB	FUGITIVE EMISSION UNITS	N/A	R5352-ALL	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	No changing attributes.
PROPFUG-VVB	FUGITIVE EMISSION UNITS	N/A	60VVb	40 CFR Part 60, Subpart VVb	No changing attributes.
PROPVENT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.
T-1	EMISSION POINTS/STATIONARY	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	VENTS/PROCESS VENTS				
T-2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-4	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
TK-94285	STORAGE TANKS/VESSELS	N/A	R5112-00a	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-97369	STORAGE TANKS/VESSELS	N/A	R5112-00a	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-97371	STORAGE TANKS/VESSELS	N/A	R5112-00a	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-97372	STORAGE TANKS/VESSELS	N/A	R5112-00a	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-99248	STORAGE TANKS/VESSELS	N/A	R5112-00A	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-C13571	STORAGE TANKS/VESSELS	N/A	R5112-00a	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
TK-C13572	STORAGE TANKS/VESSELS	N/A	R5112-00a	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
YYVENTS	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	63YY	40 CFR Part 63, Subpart YY	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
10F-1102	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
10F-1102	EU	60NNN-63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
10F-112	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
10F-112	EU	60NNN-63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					specification requirements of 40 CFR Part 63, Subpart YY		CFR Part 63, Subpart YY		
10F-113	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
10F-113	EU	60NNN-63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
10F-115	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
10F-115	EU	60NNN-	112(B)	40 CFR Part 63,	§ 63.1103	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
		63YY	HAPS	Subpart YY	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	comply with the applicable requirements of 40 CFR Part 63, Subpart YY	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
10F-118	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
10F-118	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
10F-285	EP	R5121-7	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
10F-299	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
10F-299	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
10F-301	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
10F-301	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					specification requirements of 40 CFR Part 63, Subpart YY		CFR Part 63, Subpart YY		
10F-502	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
10F-695A	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
10F-695A	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
10F-695B	EP	R5121-4	VOC	30 TAC Chapter	§ 115.122(a)(1)	Vent gas streams affected	[G]§ 115.125	§ 115.126	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				115, Vent Gas Controls	§ 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	§ 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126(1) § 115.126(1)(B) § 115.126(2)	
10F-695B	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
10T-109	EU	R5112-00a	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
10T-113	EU	R5112-005	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
10T-113	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with	The permit holder shall comply with the applicable requirements of 40 CFR	The permit holder shall comply with the applicable	The permit holder shall comply with the applicable	The permit holder shall comply with the applicable reporting

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	Part 63, Subpart YY	monitoring and testing requirements of 40 CFR Part 63, Subpart YY	recordkeeping requirements of 40 CFR Part 63, Subpart YY	requirements of 40 CFR Part 63, Subpart YY
10T-114	EU	R5112-005	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
10T-114	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
2C-12	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
2C-12	EP	63GV-012N	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11	Reduce emissions of organic HAP using a	§ 63.114(a) § 63.114(a)(2)	[G]§ 63.117(a)(5) § 63.118(a)(1)	[G]§ 63.117(a)(5) § 63.117(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.113(h) [G]§ 63.115(f)	flare.§63.113(a)(1)(i)-(ii)	[G]§ 63.115(f) [G]§ 63.116(a)	§ 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	§ 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
30G-101	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
31T-104	EU	R5112-052	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						Table II(a).			
31T-104	EU	R5112-056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
31T-104	EU	63GT-TANK00061	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.11 § 63.119(a)(2) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(e)(1) § 63.120(e)(4) § 63.120(e)(5) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	[G]§ 63.120(e)(2) § 63.122(c)(2) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
31T-104	EU	63GT-TANK00070	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(2) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(6) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4)	§ 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	[G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
33P-105B	EU	R7ICI-203	Exempt	30 TAC Chapter 117, Subchapter B	§ 117.103(b)(2)	Units exempted from §117.105 of this title [RACT] include any low annual capacity factor boiler, process heater, stationary gas turbine, or stationary internal combustion engine as defined in §117.10 of this title (relating to Definitions).	None	§ 117.140(i) § 117.145(f) § 117.145(f)(6) § 117.145(f)(6)(B)	[G]§ 117.140(m)
33P-105B	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
33P-105B	EU	60IIII	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)
33P-105B	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)
33P-105B	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).			
33P-105B	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
33P-106	EU	R7ICI-203	Exempt	30 TAC Chapter 117, Subchapter B	§ 117.103(b)(2)	Units exempted from §117.105 of this title [RACT] include any low annual capacity factor boiler, process heater, stationary gas turbine, or stationary internal combustion engine as defined in §117.10 of this title (relating to Definitions).	None	§ 117.140(i) § 117.145(f) § 117.145(f)(6) § 117.145(f)(6)(B)	[G]§ 117.140(m)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
33P-106	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
33P-107	EU	R7ICI-203	Exempt	30 TAC Chapter 117, Subchapter B	§ 117.103(b)(2)	Units exempted from §117.105 of this title [RACT] include any low annual capacity factor boiler, process heater, stationary gas turbine, or stationary internal combustion engine as defined in §117.10 of this title (relating to Definitions).	None	§ 117.140(i) § 117.145(f) § 117.145(f)(6) § 117.145(f)(6)(B)	[G]§ 117.140(m)
33P-107	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
34P-109A	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1)	For each existing emergency stationary CI RICE and black start	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table	§ 63.6625(i) § 63.6655(e) § 63.6655(f)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6660(a) § 63.6660(b) § 63.6660(c)	
34P-109B	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
34P-109C	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
34P-109D	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1	For each existing emergency stationary CI	§ 63.6625(i) § 63.6640(a)	§ 63.6625(i) § 63.6655(e)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	
34P-114A	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)
34P-114A	EU	60IIII	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
34P-114A	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)
34P-114A	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
34P-114A	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
34P-114B	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 3.5 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)
34P-114B	EU	60IIII	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4211(c) [G]§ 60.4211(f) § 60.4218	than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.			
34P-114B	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039-Appendix I § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and less than or equal to 2237 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.20 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 1039-Appendix I.	None	None	[G]§ 60.4214(d)
34P-114B	EU	60IIII	PM (Opacity)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 1039.105(b)(1) § 1039.105(b)(2) § 1039.105(b)(3) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2), and 40 CFR 1039.105(b)(1)-(3).			
34P-114B	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
34P-114S	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a CO emission limit of 11.4 g/KW-hr, as listed in Table 1 to this subpart.	None	§ 60.4211(b)(3)	[G]§ 60.4214(d)
34P-114S	EU	60IIII	Hydrocarbons	40 CFR Part 60, Subpart IIII	§ 60.4205(a)-Table 1	Owners and operators of emergency stationary CI	None	§ 60.4211(b)(3)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4206 § 60.4207(b) § 60.4211(b) [G]§ 60.4211(f) § 60.4218	ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with an HC emission limit of 1.3 g/KW-hr, as listed in Table 1 to this subpart.			
34P-114S	EU	60IIII	NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a NOx emission limit of 9.2 g/KW-hr, as listed in Table 1 to this subpart.	None	§ 60.4211(b)(3)	[G]§ 60.4214(d)
34P-114S	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(a)-Table 1 § 60.4206 § 60.4207(b) § 60.4211(b) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 130 KW and a displacement of less than 10 liters per cylinder and is a pre-2007 model year must comply with a PM emission limit of 0.54 g/KW-hr, as listed in Table 1 to this subpart.	None	§ 60.4211(b)(3)	[G]§ 60.4214(d)
34P-114S	EU	63ZZZZ	112(B)	40 CFR Part 63,	§ 63.6590(c)	Stationary RICE subject to	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart ZZZZ		Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
34P-118S	EU	R7ICI-203	Exempt	30 TAC Chapter 117, Subchapter B	§ 117.103(b)(2)	Units exempted from §117.105 of this title [RACT] include any low annual capacity factor boiler, process heater, stationary gas turbine, or stationary internal combustion engine as defined in §117.10 of this title (relating to Definitions).	None	§ 117.140(i) § 117.145(f) § 117.145(f)(6) § 117.145(f)(6)(B)	[G]§ 117.140(m)
34P-118S	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
37G-O100	EU	60JJJJ	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 130 HP and were manufactured on or after 01/01/2009 must comply with a CO emission limit of 4.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(a) § 60.4243(b)(2)(ii) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2)(ii) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	[G]§ 60.4245(c) § 60.4245(d) [G]§ 60.4245(e)
37G-O100	EU	60JJJJ	NO_X	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 130 HP and were manufactured on or after 01/01/2009 must comply with a NOx emission limit of 2.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(a) § 60.4243(b)(2)(ii) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2)(ii) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	[G]§ 60.4245(c) § 60.4245(d) [G]§ 60.4245(e)
37G-O100	EU	60JJJJ	VOC	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table 1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) [G]§ 60.4243(d) § 60.4243(g) § 60.4246	Owners and operators of stationary emergency SI ICE with a maximum engine power greater than or equal to 130 HP and were manufactured on or after 01/01/2009 must comply with a VOC emission limit of 1.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4237(a) § 60.4243(b)(2)(ii) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(f) § 60.4244(g)	§ 60.4243(b)(2)(ii) § 60.4245(a) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4) § 60.4245(b)	[G]§ 60.4245(c) § 60.4245(d) [G]§ 60.4245(e)
37G-O100	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(b)(1) § 63.6595(c) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	An affected source which meets either of the criteria in paragraphs §63.6590(b)(1)(i)-(ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the	None	None	§ 63.6645(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						initial notification requirements of §63.6645(f).			
3C-11	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
3C-11	EP	63GV-012N	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare.§63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	[G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
3C-14	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A)	Any vent gas streams affected by §115.121(a)(2) of this title must be	[G]§ 115.125 § 115.126(1) § 115.126(1)(B)	§ 115.126 § 115.126(1) § 115.126(1)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.18	controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	§ 115.126(2) § 115.126(7)	§ 115.126(2)	
3C-14	EP	63GV-012N	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare.§63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	[G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
3C-15	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						corrected to 3.0% oxygen for combustion devices).			
3C-4	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
3C-4	EP	63GV-012N	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare.§63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	[G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
41LG-2000	EU	R7ICI-203	Exempt	30 TAC Chapter 117, Subchapter B	§ 117.103(b)(2)	Units exempted from §117.105 of this title [RACT] include any low annual capacity factor boiler,	None	§ 117.140(i) § 117.145(f) § 117.145(f)(6) § 117.145(f)(6)(B)	[G]§ 117.140(m)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						process heater, stationary gas turbine, or stationary internal combustion engine as defined in §117.10 of this title (relating to Definitions).			
5F-1	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
5F-1	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
5F-11	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
5F-2	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
5F-2	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
5F-21	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
AUFLARE-1	EU	R1111-002	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the provisions under §101.222(b).			
AUFLARE-1	CD	60A-003	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
AUFLARE-1	CD	63A-003	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
AUT33979	EU	R5112-00a	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
AUT4865	EU	R5112-056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
AUT4865	EU	R5112-068	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the	§ 115.115(a) § 115.115(a)(3) § 115.115(a)(3)(A) § 115.116(a)(1)	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(i) § 115.118(a)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117	§ 115.118(a)(7)	
AUT4865	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
AUT4865	EU	63GT-004Y	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) [G]§ 63.122(a) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.122(h)(1) § 63.122(h)(1)(i) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
AUT4865	EU	63GT-TANK00031	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	[G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4865	EU	63GT-TANK00057	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									[G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4866	EU	R5112-056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
AUT4866	EU	R5112-068	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(3) § 115.115(a)(3)(A) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(i) § 115.118(a)(5) § 115.118(a)(7)	None
AUT4866	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
AUT4866	EU	63GT-004Y	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1)	Tanks using a fixed roof and an internal floating roof	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii)	§ 63.120(a)(4) § 63.123(a)	§ 63.120(a)(5) § 63.120(a)(6)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	(defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(iii)	§ 63.123(c) § 63.123(g) [G]§ 63.152(a)	[G]§ 63.122(a) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.122(h)(1) § 63.122(h)(1)(i) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
AUT4866	EU	63GT-TANK00031	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4866	EU	63GT-TANK00057	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
AUT4867	EU	R5112-056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
AUT4867	EU	R5112-068	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(3) § 115.115(a)(3)(A) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(i) § 115.118(a)(5) § 115.118(a)(7)	None
AUT4867	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
AUT4867	EU	63GT-004Y	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) [G]§ 63.122(a) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.122(h)(1) § 63.122(h)(1)(i) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.120(a)(4) § 63.120(a)(7)				§ 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
AUT4867	EU	63GT-TANK00031	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4867	EU	63GT-TANK00057	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	(a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4868	EU	R5112-056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
AUT4868	EU	R5112-068	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or	§ 115.115(a) § 115.115(a)(3) § 115.115(a)(3)(A) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(i) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						Table II(a).			
AUT4868	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
AUT4868	EU	63GT-004Y	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) [G]§ 63.122(a) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.122(h)(1) § 63.122(h)(1)(i) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
AUT4868	EU	63GT-TANK00031	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.148(i)(6) [G]§ 63.152(a)	[G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4868	EU	63GT-TANK00057	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									[G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4880	EU	R5112-056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
AUT4880	EU	R5112-068	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(3) § 115.115(a)(3)(A) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(C) § 115.118(a)(4)(C)(i) § 115.118(a)(5) § 115.118(a)(7)	None
AUT4880	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
AUT4880	EU	63GT-004Y	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1)	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g)	§ 63.120(a)(5) § 63.120(a)(6) [G]§ 63.122(a) § 63.122(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	must comply with: §63.119(b)(1)-(6).		[G]§ 63.152(a)	§ 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.122(h)(1) § 63.122(h)(1)(i) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
AUT4880	EU	63GT-TANK00031	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									[G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4880	EU	63GT-TANK00057	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(1) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(1) § 63.120(d)(1)(ii) § 63.120(d)(1)(ii)(A) § 63.120(d)(5) § 63.120(d)(6) § 63.148(b)(1)(i) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) § 63.123(f)(1) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.120(d)(1)(ii)(B) § 63.120(d)(2) § 63.120(d)(2)(i) [G]§ 63.120(d)(2)(iii) § 63.120(d)(3) § 63.120(d)(3)(i) § 63.120(d)(3)(ii) § 63.120(d)(4) § 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4881	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of	§ 115.112(a)(1) § 115.112(a)(2)	Tanks shall not store VOC unless the required	§ 115.114(a)(1) § 115.114(a)(1)(A)	§ 115.118(a)(3) § 115.118(a)(5)	§ 115.114(a)(1)(B)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				VOCs	§ 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117	§ 115.118(a)(7)	
AUT4881	EU	63GT-004	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
AUT4882	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
AUT4882	EU	63GT-004	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)				§ 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
AUT4883	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
AUT4883	EU	63GT-004	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
AUT4884	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
AUT4884	EU	63GT-004	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v) § 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) [G]§ 63.122(a) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.122(h)(1) § 63.122(h)(1)(i) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
AUT4884	EU	63GT-004Y	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)				[G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
AUT4884	EU	63GT-WW9	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(ii) § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(f) § 63.133(h) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a)	A fixed roof and an internal floating roof that meets the requirements specified in Sec. 63.119(b) of this subpart;	§ 63.133(f) § 63.133(g) § 63.133(g)(2) § 63.133(g)(3) § 63.143(a) § 63.143(g)	§ 63.133(h) § 63.147(b) § 63.147(b)(1) § 63.147(b)(6) § 63.147(b)(7) [G]§ 63.152(a)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(c) § 63.146(g) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
AUT4884	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
AUT4884	EU	63YY-WW	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e) Table 7(g)(1)(i) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
AUT4930	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
AUT4930	EU	60Ka-25	VOC	40 CFR Part 60, Subpart Ka	§ 60.112a(a)(2)	Vessels storing petroleum liquids with a TVP > 10.3 kPa (1.5 psia) but < 76.6 kPa (11.1 psia) shall have a fixed roof and an internal floating cover with the specified closure device and vents.	§ 60.115a(a) § 60.115a(b) ** See Periodic Monitoring Summary	§ 60.115a(a)	None
AUT4930	EU	63GT-004	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(b) § 63.119(a)(1) [G]§ 63.119(b)(1) § 63.119(b)(2) § 63.119(b)(3)(iii) § 63.119(b)(4) § 63.119(b)(5)(i) § 63.119(b)(5)(ii) § 63.119(b)(5)(iii) § 63.119(b)(5)(iv) § 63.119(b)(5)(v)	Tanks using a fixed roof and an internal floating roof (defined in §63.111) to comply with §63.119(a)(1) must comply with: §63.119(b)(1)-(6).	§ 63.120(a)(3)(i) § 63.120(a)(3)(ii) § 63.120(a)(3)(iii)	§ 63.120(a)(4) § 63.123(a) § 63.123(c) § 63.123(g) [G]§ 63.152(a)	§ 63.120(a)(5) § 63.120(a)(6) § 63.122(d) § 63.122(d)(1)(ii) § 63.122(d)(1)(iii) § 63.122(d)(2)(ii) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.119(b)(5)(vi) § 63.119(b)(5)(vii) [G]§ 63.119(b)(5)(viii) § 63.119(b)(6) § 63.120(a)(4) § 63.120(a)(7)				[G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
BF-11	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
BF-12	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
BF-12	EP	63GV-012R	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare.§63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	[G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									[G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
BF-1A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
BF-1A	EP	63GV-012R	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare.§63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	[G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
BF-1B	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
BF-1B	EP	63GV-012R	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare.§63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	[G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
BF-2	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
BF-2	EP	63GV-012R	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare.§63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	[G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
BF-3	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).			
BF-3	EP	63GV-012N	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.113(a)(1) § 63.11 § 63.113(h) [G]§ 63.115(f)	Reduce emissions of organic HAP using a flare.§63.113(a)(1)(i)-(ii)	§ 63.114(a) § 63.114(a)(2) [G]§ 63.115(f) [G]§ 63.116(a)	[G]§ 63.117(a)(5) § 63.118(a)(1) § 63.118(a)(2) [G]§ 63.152(a) [G]§ 63.152(f)	[G]§ 63.117(a)(5) § 63.117(f) § 63.118(f)(2) § 63.118(f)(5) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
CP-31	EP	R5121-6	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(C)	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(C) § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(1) § 115.126(1)(C) § 115.126(2)	None
GAS-TK	EU	R5112-	VOC	30 TAC Chapter	§ 115.112(a)(1)	Tanks shall not store VOC	[G]§ 115.117	§ 115.118(a)(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
		GAS		115, Storage of VOCs		unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	** See Periodic Monitoring Summary	§ 115.118(a)(7)	
GRP115TANK	EU	R5112-00A	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C)	[G]§ 115.358(g)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	[G]§ 115.356(4) § 115.356(5)	
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(B) § 115.352(1)	No pump seals that are equipped with a shaft	[G]§ 115.355	§ 115.352(7) § 115.356	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(12) § 115.357(8)	exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(3)(C) § 115.356(5)	
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						sound.			
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	[G]§ 115.354(7)
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(5)	
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.			
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
GRPFUGS	EU	R5352-	VOC	30 TAC Chapter	§ 115.352(1)(A)	No process drains	§ 115.354(1)	§ 115.352(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
		ALL		115, Pet. Refinery & Petrochemicals	§ 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
GRPFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(12) § 115.357(8) § 115.357(9)	greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(5)	
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.165 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.162(e) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).	[G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.181(j)	[G]§ 63.182(a) [G]§ 63.182(b)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.173 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).	[G]§ 63.173 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B)	40 CFR Part 63,	§ 63.170	Standards: Surge control	[G]§ 63.180(b)	§ 63.181(a)	[G]§ 63.182(a)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart H	§ 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	vessels and bottom receivers.	[G]§ 63.180(d)	[G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c)	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171			[G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRPFUGS	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Sampling connection systems. §63.166(a)-(c)	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
GRP_FURNACES	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUBOILER 1	EU	R7ICI-506X	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.123(a) § 117.123(b) § 117.123(b)(1) § 117.123(b)(2) § 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h) § 117.123(i) § 117.123(k) § 117.130(c)	Compliance with the NOx emission specifications §117.110 may be achieved by a source cap limitation. Each equipment category at a source whose individual emission units would otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of	§ 117.123(c) § 117.123(c)(1) § 117.123(c)(1)(A) § 117.123(c)(2) § 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B) § 117.135(a)(4) § 117.135(b) § 117.135(c)	§ 117.123(d) § 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.123(e) § 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(1)(B) § 117.145(d)(2) § 117.145(d)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 117.130(d)	this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(f)(4) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		§ 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
LOUBOILER 2	EU	R7ICI-506X	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.123(a) § 117.123(b) § 117.123(b)(1) § 117.123(b)(2) § 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h)	Compliance with the NOx emission specifications §117.110 may be achieved by a source cap limitation. Each equipment category at a source whose individual emission units would	§ 117.123(c) § 117.123(c)(1) § 117.123(c)(1)(A) § 117.123(c)(2) § 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B)	§ 117.123(d) § 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9)	§ 117.123(e) § 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 117.123(i) § 117.123(k) § 117.130(c) § 117.130(d)	otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(f)(4) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.8100(a)(5)(C)	§ 117.145(d)(1)(B) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
LOUBOILER 3	EU	R7ICI-506X	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.123(a) § 117.123(b) § 117.123(b)(1) § 117.123(b)(2)	Compliance with the NOx emission specifications §117.110 may be achieved by a source cap limitation.	§ 117.123(c) § 117.123(c)(1) § 117.123(c)(1)(A) § 117.123(c)(2)	§ 117.123(d) § 117.145(a) § 117.145(f) § 117.145(f)(1)	§ 117.123(e) § 117.135(b) § 117.135(g) [G]§ 117.145(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h) § 117.123(i) § 117.123(k) § 117.130(c) § 117.130(d)	Each equipment category at a source whose individual emission units would otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(f)(4) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	[G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	[G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(1)(B) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
LOUBOILER	EU	R7ICI-	NO_X	30 TAC Chapter	§ 117.123(a)	Compliance with the NOx	§ 117.123(c)	§ 117.123(d)	§ 117.123(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
4		506X		117, Subchapter B	§ 117.123(b) § 117.123(b)(1) § 117.123(b)(2) § 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h) § 117.123(i) § 117.123(k) § 117.130(c) § 117.130(d)	emission specifications §117.110 may be achieved by a source cap limitation. Each equipment category at a source whose individual emission units would otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.123(c)(1) § 117.123(c)(1)(A) § 117.123(c)(2) § 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(f)(4) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E)	§ 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(1)(B) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.8100(a)(6)		
LOUBOILER 5	EU	R7ICI-506X	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.123(a) § 117.123(b) § 117.123(b)(1) § 117.123(b)(2) § 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h) § 117.123(i) § 117.123(k) § 117.130(c) § 117.130(d)	Compliance with the NOx emission specifications §117.110 may be achieved by a source cap limitation. Each equipment category at a source whose individual emission units would otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.123(c) § 117.123(c)(1) § 117.123(c)(1)(A) § 117.123(c)(2) § 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(f)(4) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§	§ 117.123(d) § 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.123(e) § 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(1)(B) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
LOUBOILER 6	EU	R7ICI-506X	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.123(a) § 117.123(b) § 117.123(b)(1) § 117.123(b)(2) § 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h) § 117.123(i) § 117.123(k) § 117.130(c) § 117.130(d)	Compliance with the NOx emission specifications §117.110 may be achieved by a source cap limitation. Each equipment category at a source whose individual emission units would otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.123(c) § 117.123(c)(1) § 117.123(c)(1)(A) § 117.123(c)(2) § 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(f)(4) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5)	§ 117.123(d) § 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.123(e) § 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(1)(B) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
LOUBOILER 7	EU	R7ICI-506X	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.123(a) § 117.123(b) § 117.123(b)(1) § 117.123(b)(2) § 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h) § 117.123(i) § 117.123(k) § 117.130(c) § 117.130(d)	Compliance with the NOx emission specifications §117.110 may be achieved by a source cap limitation. Each equipment category at a source whose individual emission units would otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.123(c) § 117.123(c)(1) § 117.123(c)(1)(A) § 117.123(c)(2) § 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(f)(4) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2)	§ 117.123(d) § 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.123(e) § 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(1)(B) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
LOUBOILER 8	EU	R7ICI-506X	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.123(a) § 117.123(b) § 117.123(b)(1) § 117.123(b)(2) § 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h) § 117.123(i) § 117.123(k) § 117.130(c) § 117.130(d)	Compliance with the NOx emission specifications §117.110 may be achieved by a source cap limitation. Each equipment category at a source whose individual emission units would otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.123(c) § 117.123(c)(1) § 117.123(c)(1)(C) § 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B) § 117.135(a)(4) § 117.135(b) § 117.135(d) § 117.135(e) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.123(d) § 117.145(a) § 117.145(f) § 117.145(f)(1) § 117.145(f)(9)	§ 117.123(e) § 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7)
LOUBOILER 9	EU	R7ICI-506X	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.123(a) § 117.123(b) § 117.123(b)(1) § 117.123(b)(2) § 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h)	Compliance with the NOx emission specifications §117.110 may be achieved by a source cap limitation. Each equipment category at a source whose individual emission units would	§ 117.123(c) § 117.123(c)(1) § 117.123(c)(1)(A) § 117.123(c)(2) § 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B)	§ 117.123(d) § 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9)	§ 117.123(e) § 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 117.123(i) § 117.123(k) § 117.130(c) § 117.130(d)	otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(f)(4) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) § 117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)	§ 117.8100(a)(5)(C)	§ 117.145(d)(1)(B) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)
LOUBOILER 9	EU	63DDDDD -G1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	§ 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
LOUBOILR10	EU	R7ICI-506X	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.123(a) § 117.123(b) § 117.123(b)(1) § 117.123(b)(2) § 117.123(b)(3) [G]§ 117.123(g) [G]§ 117.123(h) § 117.123(i) § 117.123(k) § 117.130(c) § 117.130(d)	Compliance with the NOx emission specifications §117.110 may be achieved by a source cap limitation. Each equipment category at a source whose individual emission units would otherwise be subject to the NOx emission specifications of §117.105 or §117.110 of this title may be included in the source cap as specified. All emission units not included in the source cap must comply with the requirements of §117.105, §117.110 or §117.115 of this title.	§ 117.123(c) § 117.123(c)(1) § 117.123(c)(1)(A) § 117.123(c)(2) § 117.123(f) [G]§ 117.135(a)(1) § 117.135(a)(3)(B) § 117.135(a)(4) § 117.135(b) § 117.135(c) § 117.135(d) § 117.135(f) § 117.135(f)(2) § 117.135(f)(4) § 117.135(g) § 117.140(a) § 117.140(b)(1) § 117.140(b)(3) § 117.140(c)(1) [G]§ 117.140(c)(3) § 117.140(e) § 117.8100(a) § 117.8100(a)(1) § 117.8100(a)(1)(A) § 117.8100(a)(1)(B) § 117.8100(a)(1)(B)(i) §	§ 117.123(d) § 117.145(a) § 117.145(f) § 117.145(f)(1) [G]§ 117.145(f)(2) § 117.145(f)(8) § 117.145(f)(9) § 117.8100(a)(5)(C)	§ 117.123(e) § 117.135(b) § 117.135(g) [G]§ 117.145(b) [G]§ 117.145(c) § 117.145(d) § 117.145(d)(1) § 117.145(d)(1)(B) § 117.145(d)(2) § 117.145(d)(3) § 117.145(d)(4) § 117.145(d)(5) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8) § 117.8100(c)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							117.8100(a)(1)(B)(ii) § 117.8100(a)(1)(C) § 117.8100(a)(2) [G]§ 117.8100(a)(3) § 117.8100(a)(4) § 117.8100(a)(5) § 117.8100(a)(5)(A) § 117.8100(a)(5)(B) [G]§ 117.8100(a)(5)(D) [G]§ 117.8100(a)(5)(E) § 117.8100(a)(6)		
LOUBOILR10	EU	63DDDDD-G1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
LOUBOILR11	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63,	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					Subpart YY				
LOUBOILR12	EU	60DB	NO_X	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(e) § 60.46b(e)(1) § 60.46b(e)(3) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b) § 60.49b(h) § 60.49b(i) § 60.49b(v) § 60.49b(w)
LOUBOILR12	EU	60DB	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
LOUBOILR12	EU	60DB	PM (Opacity)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
LOUBOILR12	EU	60DB	SO_2	40 CFR Part 60, Subpart Db	§ 60.42b(k)(2)	Units firing only very low sulfur oil and/or a mixture of gaseous fuels with a potential SO2 emission rate of 140 ng/J (0.32 lb/MMBtu) heat input or less are exempt from the SO2 emissions limit in §60.42b(k)(1).	§ 60.47b(f)	§ 60.45b(k) § 60.49b(o) § 60.49b(r) § 60.49b(r)(1)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(r) § 60.49b(r)(1)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
LOUBOILR12	EU	63DDDDD-G1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7510(g) § 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
LOUCOOLTWR	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUFLARE	EU	R1111-002	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
LOUFLARE	CD	60A-003	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.18(c)(6) § 60.18(e)				
LOUFLARE	CD	63A-003	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
LOUFLARE-2	EU	R1111-002	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period. Non-excessive upset events are subject to the provisions under §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
LOUFLARE-2	CD	60A-003	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
LOUFLARE-2	CD	63A-003	Opacity	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
LOUFUGS	EU	R5352-	VOC	30 TAC Chapter	§ 115.357(5)	Reciprocating compressors	None	§ 115.356	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
		ALL		115, Pet. Refinery & Petrochemicals		and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.		§ 115.356(3) [G]§ 115.356(3)(C)	
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.357(6)	Components at a petroleum refinery or synthetic organic	None	§ 115.356 § 115.356(3)	None

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				& Petrochemicals		chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.		[G]§ 115.356(3)(C)	
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve equipped with a rupture disk must comply with §115.352(9) and §115.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(A) § 115.352(1)	No pressure relief valves contacting a fluid with TVP	§ 115.354(1) § 115.354(10)	§ 115.352(7) § 115.354(10)	[G]§ 115.354(7)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(12) § 115.357(8) § 115.357(9)	million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	[G]§ 115.354(7)
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(1) § 115.357(8)	volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery	§ 115.352(1)(B) § 115.352(1)	No compressor seals that are equipped with a shaft	[G]§ 115.355	§ 115.352(7) § 115.356	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				& Petrochemicals	§ 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(5)	
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
LOUFUGS	EU	R5352-	VOC	30 TAC Chapter	§ 115.352(1)(B)	No pump seals contacting a	§ 115.354(1)	§ 115.352(7)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
		ALL		115, Pet. Refinery & Petrochemicals	§ 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
LOUFUGS	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
LOUFUGS	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					CFR Part 63, Subpart YY				
LOUHEATER1	EU	63DDDDD-G1	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7500(a)(1)-Table 3.3 § 63.7500(a)(1) § 63.7500(a)(3) § 63.7505(a) § 63.7540(a) § 63.7540(a)(1) [G]§ 63.7540(a)(10) § 63.7540(a)(13)	A new or existing boiler or process heater without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater must conduct a tune-up of the boiler or process heater annually as specified in § 63.7540. Units in either the Gas 1 or Metal Process Furnace subcategories will conduct this tune-up as a work practice for all regulated emissions.	§ 63.7515(d) [G]§ 63.7521(f) [G]§ 63.7521(g) § 63.7521(h) § 63.7521(i) § 63.7530(g) § 63.7540(a) [G]§ 63.7540(a)(10) [G]§ 63.7540(c)	§ 63.7555(a) § 63.7555(a)(1) § 63.7555(a)(2) § 63.7555(g) § 63.7555(h) § 63.7560(a) § 63.7560(b) § 63.7560(c)	[G]§ 63.7521(g) § 63.7530(e) § 63.7530(f) § 63.7545(a) § 63.7545(b) § 63.7545(c) [G]§ 63.7545(e) [G]§ 63.7545(f) § 63.7550(a) [G]§ 63.7550(b) [G]§ 63.7550(c) [G]§ 63.7550(h)
LOUPFOLR	EU	R5211-018	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
LOUT1596	EU	R5112-083	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
LOUT1596	EU	61FF-T05	Benzene	40 CFR Part 61,	§ 61.351(a)	As an alternative to the	[G]§ 60.113b(b)(1)	§ 60.115b	§ 60.113b(b)(4)(iii)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Subpart FF	[G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)	[G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
LOUT1596	EU	63GT-008	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(c) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) § 63.119(c)(2)(i) § 63.119(c)(2)(ii) § 63.119(c)(2)(iii) § 63.119(c)(2)(iv) § 63.119(c)(2)(ix) § 63.119(c)(2)(v) § 63.119(c)(2)(vi) § 63.119(c)(2)(vii) § 63.119(c)(2)(viii) § 63.119(c)(2)(x) § 63.119(c)(2)(xi) § 63.119(c)(2)(xii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i)	Tanks using an external floating roof, (defined in § 63.111), to comply with §63.119(a)(1) shall comply with §63.119(c)(1)-(4).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.123(a) § 63.123(d) § 63.123(g) [G]§ 63.152(a)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) [G]§ 63.122(a) [G]§ 63.122(e)(1) § 63.122(e)(2) § 63.122(e)(3) § 63.122(e)(3)(ii) § 63.122(h)(1) § 63.122(h)(1)(ii) § 63.122(h)(2) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8)				
LOUT1596	EU	63GT-WW9	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(iii) § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(e)(2) § 63.133(f) § 63.133(h) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a)	An external floating roof that meets the requirements specified in §63.119(c), §63.120(b)(5), and §63.120(b)(6) of this subpart; or	§ 63.133(e)(1) § 63.133(f) § 63.133(g) § 63.133(g)(2) § 63.133(g)(3) § 63.143(a) § 63.143(g)	§ 63.133(e)(2) § 63.133(h) § 63.147(b) § 63.147(b)(1) § 63.147(b)(3) § 63.147(b)(6) § 63.147(b)(7) [G]§ 63.152(a)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(c) § 63.146(g) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
LOUT1596	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT1596	EU	63YY-WW	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e) Table 7(g)(1)(i) The permit holder shall comply with	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 40 CFR

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY		testing requirements of 40 CFR Part 63, Subpart YY	requirements of 40 CFR Part 63, Subpart YY	Part 63, Subpart YY
LOUT1597	EU	R5112-083	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
LOUT1597	EU	61FF-T05	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
LOUT1597	EU	63GT-008	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(c) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii)	Tanks using an external floating roof, (defined in § 63.111), to comply with §63.119(a)(1) shall comply with §63.119(c)(1)-(4).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.123(a) § 63.123(d) § 63.123(g)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) [G]§ 63.122(a) [G]§ 63.122(e)(1)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.119(c)(1)(iii) § 63.119(c)(2)(i) § 63.119(c)(2)(ii) § 63.119(c)(2)(iii) § 63.119(c)(2)(iv) § 63.119(c)(2)(ix) § 63.119(c)(2)(v) § 63.119(c)(2)(vi) § 63.119(c)(2)(vii) § 63.119(c)(2)(viii) § 63.119(c)(2)(x) § 63.119(c)(2)(xi) § 63.119(c)(2)(xii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8)		§ 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4)	[G]§ 63.152(a)	§ 63.122(e)(2) § 63.122(e)(3) § 63.122(e)(3)(ii) § 63.122(h)(1) § 63.122(h)(1)(ii) § 63.122(h)(2) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
LOUT1597	EU	63GT-WW9	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(iii) § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(e)(2) § 63.133(f) § 63.133(h) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a)	An external floating roof that meets the requirements specified in §63.119(c), §63.120(b)(5), and §63.120(b)(6) of this subpart; or	§ 63.133(e)(1) § 63.133(f) § 63.133(g) § 63.133(g)(2) § 63.133(g)(3) § 63.143(a) § 63.143(g)	§ 63.133(e)(2) § 63.133(h) § 63.147(b) § 63.147(b)(1) § 63.147(b)(3) § 63.147(b)(6) § 63.147(b)(7) [G]§ 63.152(a)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(c) § 63.146(g) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
LOUT1597	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT1597	EU	63YY-WW	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e) Table 7(g)(1)(i) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33752	EU	R5112-083	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
LOUT33752	EU	R5131-002	VOC	30 TAC Chapter 115, Water	§ 115.132(a)(2)	VOC water separator compartments must have a	[G]§ 115.135(a) § 115.136(a)(3)	§ 115.136(a)(3) § 115.136(a)(4)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Separation		floating roof or internal-floating cover resting on the surface with closure seals. Gauging and sampling devices shall be vapor-tight except during use.	§ 115.136(a)(4) ** See Periodic Monitoring Summary		
LOUT33752	EU	61FF-T05	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)
LOUT33752	EU	63GT-008	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(c) § 63.119(a)(1) § 63.119(c)(1) § 63.119(c)(1)(i) § 63.119(c)(1)(ii) § 63.119(c)(1)(iii) § 63.119(c)(2)(i) § 63.119(c)(2)(ii) § 63.119(c)(2)(iii) § 63.119(c)(2)(iv) § 63.119(c)(2)(ix) § 63.119(c)(2)(v) § 63.119(c)(2)(vi) § 63.119(c)(2)(vii) § 63.119(c)(2)(viii) § 63.119(c)(2)(x)	Tanks using an external floating roof, (defined in § 63.111), to comply with §63.119(a)(1) shall comply with §63.119(c)(1)-(4).	§ 63.120(b)(1)(i) § 63.120(b)(1)(iii) § 63.120(b)(1)(iv) § 63.120(b)(10) § 63.120(b)(2)(i) § 63.120(b)(2)(ii) § 63.120(b)(2)(iii) § 63.120(b)(3) § 63.120(b)(4)	[G]§ 63.120(b)(7) § 63.120(b)(8) § 63.123(a) § 63.123(d) § 63.123(g) [G]§ 63.152(a)	§ 63.120(b)(10)(ii) § 63.120(b)(10)(iii) § 63.120(b)(9) [G]§ 63.122(a) [G]§ 63.122(e)(1) § 63.122(e)(2) § 63.122(e)(3) § 63.122(e)(3)(ii) § 63.122(h)(1) § 63.122(h)(1)(ii) § 63.122(h)(2) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.119(c)(2)(xi) § 63.119(c)(2)(xii) [G]§ 63.119(c)(3) § 63.119(c)(4) § 63.120(b)(10)(i) § 63.120(b)(5)(i) § 63.120(b)(5)(ii) § 63.120(b)(6)(i) § 63.120(b)(6)(ii) [G]§ 63.120(b)(7) § 63.120(b)(8)				[G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(4)(ii)
LOUT33752	EU	63GT-WW9	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(iii) § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(e)(2) § 63.133(f) § 63.133(h) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a)	An external floating roof that meets the requirements specified in §63.119(c), §63.120(b)(5), and §63.120(b)(6) of this subpart; or	§ 63.133(e)(1) § 63.133(f) § 63.133(g) § 63.133(g)(2) § 63.133(g)(3) § 63.143(a) § 63.143(g)	§ 63.133(e)(2) § 63.133(h) § 63.147(b) § 63.147(b)(1) § 63.147(b)(3) § 63.147(b)(6) § 63.147(b)(7) [G]§ 63.152(a)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(c) § 63.146(g) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
LOUT33752	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					specification requirements of 40 CFR Part 63, Subpart YY		CFR Part 63, Subpart YY		
LOUT33752	EU	63YY-WW	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103(e) Table 7(g)(1)(i) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33753	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
LOUT33753	EU	61FF-T04a	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) § 61.357(e) § 61.357(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
LOUT33753	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33755	EU	R5112-083	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
LOUT33755	EU	R5131-002	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(2)	VOC water separator compartments must have a floating roof or internal-floating cover resting on the surface with closure seals. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None
LOUT33755	EU	61FF-T05	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)		
LOUT33755	EU	63GT-WW9	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(iii) § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(e)(2) § 63.133(f) § 63.133(h) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a)	An external floating roof that meets the requirements specified in §63.119(c), §63.120(b)(5), and §63.120(b)(6) of this subpart; or	§ 63.133(e)(1) § 63.133(f) § 63.133(g) § 63.133(g)(2) § 63.133(g)(3) § 63.143(a) § 63.143(g)	§ 63.133(e)(2) § 63.133(h) § 63.147(b) § 63.147(b)(1) § 63.147(b)(3) § 63.147(b)(6) § 63.147(b)(7) [G]§ 63.152(a)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(c) § 63.146(g) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
LOUT33755	EU	63YY-003	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33755	EU	63YY-WW	112(B)	40 CFR Part 63,	§ 63.1103(e) Table	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart YY	7(g)(1)(i) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	comply with the applicable requirements of 40 CFR Part 63, Subpart YY	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33756	EU	R5112-083	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.112(a)(2)(F) § 115.114(a)(2)(A) § 115.114(a)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(2) § 115.114(a)(3) § 115.114(a)(4) § 115.114(a)(4)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(2)(B) § 115.114(a)(4)(B) § 115.118(a)(3)
LOUT33756	EU	R5131-002	VOC	30 TAC Chapter 115, Water Separation	§ 115.132(a)(2)	VOC water separator compartments must have a floating roof or internal-floating cover resting on the surface with closure seals. Gauging and sampling devices shall be vapor-tight except during use.	[G]§ 115.135(a) § 115.136(a)(3) § 115.136(a)(4) ** See Periodic Monitoring Summary	§ 115.136(a)(3) § 115.136(a)(4)	None
LOUT33756	EU	61FF-T05	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) [G]§ 60.112b(a)(2) § 61.351(a)(2) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§	§ 60.115b [G]§ 60.115b(b)(3) § 61.356(k)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4) § 61.357(e) § 61.357(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6) § 60.113b(b)(6)(i) § 60.113b(b)(6)(ii)		
LOUT33756	EU	63GT-WW9	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.133(a)(2)(iii) § 63.132(a)(2)(i)(A) § 63.132(a)(2)(i)(B) [G]§ 63.132(f) § 63.133(e)(2) § 63.133(f) § 63.133(h) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a)	An external floating roof that meets the requirements specified in §63.119(c), §63.120(b)(5), and §63.120(b)(6) of this subpart; or	§ 63.133(e)(1) § 63.133(f) § 63.133(g) § 63.133(g)(2) § 63.133(g)(3) § 63.143(a) § 63.143(g)	§ 63.133(e)(2) § 63.133(h) § 63.147(b) § 63.147(b)(1) § 63.147(b)(3) § 63.147(b)(6) § 63.147(b)(7) [G]§ 63.152(a)	§ 63.146(b)(2) § 63.146(b)(5) § 63.146(b)(6) § 63.146(c) § 63.146(g) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
LOUT33756	EU	63YY-003	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33756	EU	63YY-WW	112(B)	40 CFR Part 63,	§ 63.1103(e) Table	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart YY	7(g)(1)(i) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	comply with the applicable requirements of 40 CFR Part 63, Subpart YY	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33757	EU	R5112-052	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(5) § 115.118(a)(7)	None
LOUT33757	EU	R5112-056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None
LOUT33757	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33758	EU	R5112-00c	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						vapor pressure less than 1.5 psia is exempt from the requirements of this division.			
LOUT33758	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33759	EU	R5112-069	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(2) § 115.112(a)(2)(A) § 115.112(a)(2)(B) § 115.112(a)(2)(C) § 115.112(a)(2)(D) § 115.112(a)(2)(E) § 115.114(a)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(a)(1) § 115.114(a)(1)(A) [G]§ 115.117	§ 115.118(a)(3) § 115.118(a)(5) § 115.118(a)(7)	§ 115.114(a)(1)(B)
LOUT33759	EU	61FF-T04a	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(ii)(B) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) [G]§ 60.113b(a)(3) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(4) § 61.357(e) § 61.357(f)
LOUT33759	EU	63YY	112(B)	40 CFR Part 63,	§ 63.1103	The permit holder shall	The permit holder	The permit holder shall	The permit holder shall

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart YY	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	comply with the applicable requirements of 40 CFR Part 63, Subpart YY	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33760	EU	R5112-00c	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
LOUT33760	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUT33799	EU	R5112-052	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3) § 60.18	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(2) [G]§ 115.117	§ 115.118(a)(5) § 115.118(a)(7)	None
LOUT33799	EU	R5112-056	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1) § 115.112(a)(3)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the	§ 115.115(a) § 115.115(a)(6) § 115.116(a)(1) [G]§ 115.117	§ 115.118(a)(4) § 115.118(a)(4)(F) § 115.118(a)(5) § 115.118(a)(7)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						appropriate control device specified in Table I(a) or Table II(a).			
LOUT33799	EU	63GT-TANK00061	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.11 § 63.119(a)(2) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(e)(1) § 63.120(e)(4) § 63.120(e)(5) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	[G]§ 63.120(e)(2) § 63.122(c)(2) [G]§ 63.122(g)(1) [G]§ 63.122(g)(3) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
LOUT33799	EU	63GT-TANK00070	112(B) HAPS	40 CFR Part 63, Subpart G	§ 63.119(e) § 63.119(a)(2) § 63.119(e)(1) § 63.119(e)(3) § 63.119(e)(4) § 63.119(e)(5) [G]§ 63.148(d) § 63.148(e)	The owner or operator who elects to use a closed vent system and control device (defined in § 63.111) to comply with§63.119(a)(1) or (a)(2) shall comply with §63.119(e)(1)-(5).	§ 63.120(d)(6) § 63.148(b)(1)(ii) [G]§ 63.148(c) § 63.148(f)(2) § 63.148(g) § 63.148(g)(2) § 63.148(h) § 63.148(h)(2)	§ 63.123(a) [G]§ 63.123(f)(2) § 63.148(g)(2) § 63.148(h)(2) § 63.148(i)(1) § 63.148(i)(2) § 63.148(i)(3)(ii) [G]§ 63.148(i)(4) § 63.148(i)(5) § 63.148(i)(6) [G]§ 63.152(a)	§ 63.122(b) § 63.122(c)(1) [G]§ 63.122(g)(1) [G]§ 63.122(g)(2) § 63.148(j) § 63.148(j)(3) § 63.151(a)(7) [G]§ 63.151(b) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) § 63.152(b)(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
									§ 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii) § 63.152(c)(2)(iii) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6)
LOUT33799	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUWASTE	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
LOUWASTE	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63,	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					Subpart YY				
P-1	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table 2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(f) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table 6.9.a.i § 63.6640(a)-Table 6.9.a.ii	§ 63.6625(i) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
PROAUWW	PRO	63GTP-WWd	112(B) HAPS	40 CFR Part 63, Subpart G	[G]§ 63.138(d) [G]§ 63.138(k) § 63.140(a) § 63.140(b) § 63.140(c) § 63.144(a) § 63.172(a) [G]§ 63.172(h) § 63.172(i) § 63.172(j)(2)	The steam stripper shall be operated and maintained and it shall conform as specified. §63.138(d)(1)-(6).	§ 63.139(e) § 63.143(b) § 63.143(e) § 63.143(e)(1) § 63.143(f) § 63.143(g) § 63.144(b) § 63.144(b)(1) § 63.144(b)(2) § 63.144(b)(3) § 63.144(b)(4) § 63.144(b)(5) [G]§ 63.144(b)(5)(i) § 63.144(b)(5)(ii) [G]§ 63.144(b)(5)(iii) § 63.144(b)(5)(iv) § 63.144(b)(6) § 63.144(c) § 63.144(c)(1) § 63.144(c)(2) § 63.144(c)(3) § 63.144(c)(4) § 63.145(a)(1) § 63.145(a)(5)	§ 63.144(b)(3) § 63.144(b)(4) § 63.144(b)(5)(ii) § 63.144(c)(1) § 63.144(c)(2) § 63.144(c)(3) § 63.147(b) § 63.147(b)(2) § 63.147(b)(4) § 63.147(b)(5) § 63.147(b)(7) § 63.147(d) [G]§ 63.152(a) [G]§ 63.152(f) [G]§ 63.172(k) [G]§ 63.172(l) § 63.181(c) [G]§ 63.181(d) § 63.181(g) § 63.181(g)(1)(i) § 63.181(g)(1)(ii) [G]§ 63.181(g)(2) [G]§ 63.181(g)(3)	§ 63.146(b)(2) § 63.146(b)(4) § 63.146(b)(5) § 63.146(b)(6) [G]§ 63.146(b)(8) [G]§ 63.146(d) § 63.146(e) § 63.146(e)(1) § 63.146(f) [G]§ 63.151(b) § 63.151(e) [G]§ 63.151(e)(1) § 63.151(e)(2) § 63.151(e)(3) [G]§ 63.151(j) [G]§ 63.152(a) § 63.152(b) [G]§ 63.152(b)(1) [G]§ 63.152(b)(2) § 63.152(b)(4) § 63.152(c)(1) § 63.152(c)(2) § 63.152(c)(2)(i) [G]§ 63.152(c)(2)(ii)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							[G]§ 63.172(f)(1) [G]§ 63.172(f)(2) § 63.172(g) [G]§ 63.172(h) § 63.172(j)(2) [G]§ 63.172(k) [G]§ 63.172(l) [G]§ 63.180(b) [G]§ 63.180(d)		§ 63.152(c)(2)(iii) § 63.152(c)(2)(iv) § 63.152(c)(3) § 63.152(c)(3)(i) § 63.152(c)(3)(ii) § 63.152(c)(4)(ii) [G]§ 63.152(c)(6) [G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROCYHON	PRO	63F-009	112(B) HAPS	40 CFR Part 63, Subpart F	§ 63.100(b) [G]§ 63.102(a) [G]§ 63.102(c) § 63.104(a) [G]§ 63.104(d) § 63.104(e) § 63.104(e)(1) [G]§ 63.104(e)(2) § 63.105(d)	Except as provided in paragraphs (b)(4) and (c) of this section, the provisions of subparts F, G, and H apply to chemical manufacturing process units that meet the criteria.	§ 63.103(b)(1) § 63.103(b)(3) § 63.103(b)(4) [G]§ 63.103(b)(5) § 63.103(b)(6) [G]§ 63.104(b)	[G]§ 63.103(c) [G]§ 63.104(e)(2) [G]§ 63.104(f)(1) [G]§ 63.105(b) § 63.105(c) § 63.105(e)	§ 63.103(b)(2) [G]§ 63.103(b)(5) [G]§ 63.103(d) [G]§ 63.104(f)(2)
PROLOU	PRO	61FFTP-WW1	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(B)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(e)(1) § 61.348(f) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(2)(i)(B) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(c) § 61.354(c)(4) § 61.354(f)(1) § 61.355(d) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i)	§ 61.349(a)(1)(ii) § 61.354(a)(2) § 61.354(c) § 61.354(c)(4) § 61.355(d) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(h) [G]§ 61.356(i) § 61.356(j)	§ 61.357(d)(7) § 61.357(d)(7)(ii) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(C)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)		§ 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(6)	
PROLOU	PRO	61FFTP-WW2	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(B) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(e)(1) § 61.348(f) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(2)(i)(B) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(c) § 61.354(c)(5) § 61.354(f)(1) § 61.355(d) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(a)(2) § 61.354(c) § 61.354(c)(5) § 61.355(d) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(6)	§ 61.357(d)(7) § 61.357(d)(7)(ii)
PROLOU	PRO	61FFTP-WW3	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 60.18 § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(e)(1) § 61.348(f) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(c)	§ 61.349(a)(1)(ii) § 61.354(a)(2) § 61.354(c) § 61.354(c)(3) § 61.355(d) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3)	§ 61.357(d)(7) § 61.357(d)(7)(ii) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)		§ 61.354(c)(3) § 61.354(f)(1) § 61.355(d) [G]§ 61.355(h)	§ 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	
PROLOU	EU	63YY-060	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1100 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
PROLWSU	PRO	61FFTP-WW1b	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(B)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(e)(1) § 61.348(f) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(2)(i)(B) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(c) § 61.354(c)(4) § 61.354(f)(1) § 61.355(d) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i)	§ 61.349(a)(1)(ii) § 61.354(a)(2) § 61.354(c) § 61.354(c)(4) § 61.355(d) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(h) [G]§ 61.356(i) § 61.356(j)	§ 61.357(d)(7) § 61.357(d)(7)(ii) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(C)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)		§ 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(6)	
PROLWSU	PRO	61FFTP-WW2a	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1) § 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(a)(2)(i)(B) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(e)(1) § 61.348(f) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(2)(i)(B) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(c) § 61.354(c)(5) § 61.354(f)(1) § 61.355(d) [G]§ 61.355(h) § 61.355(i)(1) § 61.355(i)(2) § 61.355(i)(3)(i) § 61.355(i)(3)(ii) § 61.355(i)(3)(ii)(A) § 61.355(i)(3)(ii)(B) § 61.355(i)(3)(ii)(C) § 61.355(i)(3)(iii) § 61.355(i)(3)(iv) § 61.355(i)(4)	§ 61.349(a)(1)(ii) § 61.354(a)(2) § 61.354(c) § 61.354(c)(5) § 61.355(d) § 61.355(i)(1) § 61.355(i)(3)(ii)(A) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3) § 61.356(f) § 61.356(f)(1) [G]§ 61.356(f)(3) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(6)	§ 61.357(d)(7) § 61.357(d)(7)(ii)
PROLWSU	PRO	61FFTP-WW3a	Benzene	40 CFR Part 61, Subpart FF	§ 61.348(a)(1) § 60.18 § 61.348(a)(1)(i) § 61.348(a)(2) § 61.348(a)(3) § 61.348(a)(4) § 61.348(e) § 61.348(e)(1)	The owner or operator shall design, install, operate and maintain a treatment process that removes or destroys benzene as specified.	§ 61.348(e)(1) § 61.348(f) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(e) § 61.349(f) § 61.354(a)(2) § 61.354(c)	§ 61.349(a)(1)(ii) § 61.354(a)(2) § 61.354(c) § 61.354(c)(3) § 61.355(d) § 61.356(e) § 61.356(e)(1) [G]§ 61.356(e)(3)	§ 61.357(d)(7) § 61.357(d)(7)(ii) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 61.348(e)(2) § 61.348(f) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(ii) § 61.349(a)(1)(ii)(B) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)		§ 61.354(c)(3) § 61.354(f)(1) § 61.355(d) [G]§ 61.355(h)	§ 61.356(f) § 61.356(f)(1) § 61.356(h) [G]§ 61.356(i) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(3)(i) § 61.356(j)(7)	
PROPDIST-NNNA	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(2) § 115.121(a)(2) § 115.122(a)(2)(A) § 60.18	Any vent gas streams affected by §115.121(a)(2) of this title must be controlled properly with a control efficiency of at least 98% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2) § 115.126(7)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
PROPDIST-NNNA	EP	60NNNa	VOC	40 CFR Part 60, Subpart NNNa	§ 60.660a(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart NNNa	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart NNNa	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart NNNa	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart NNNa	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart NNNa
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1)	[G]§ 115.358(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	[G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (such as in-line check valves) are exempt from the requirements of this division, except that each pressure relief valve	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						equipped with a rupture disk must comply with §115.352(9) and §115.			
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9)	VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						process fluid based on sight, smell, or sound.			
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	[G]§ 115.354(7)
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4)	No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						based on sight, smell, or sound.			
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i)	No compressor seals in hydrogen service with and the hydrogen content can be expected to always exceed 50.0% by volume shall be allowed to have a	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(5)	
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(8)	or exuding of process fluid based on sight, smell, or sound.			
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	
PROPFUG	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG	EU	60VVa	VOC	40 CFR Part 60, Subpart VVa	§ 60.480a(e)(2)(i) § 60.480a(e)(2)(ii) § 60.482-1a(a) § 60.482-1a(b) § 60.485a(f) § 60.486a(a)(1) § 60.486a(a)(2) § 60.486a(k)	Owners or operators may choose to comply with the provisions of 40 CFR Part 63, Subpart H, to satisfy the requirements of §§60.482-1a through 60.487a for an affected facility. When choosing to comply with 40 CFR Part 63, Subpart H, the requirements of §60.485a(d), (e), and (f), and §60.486a(i) and (j) still	[G]§ 60.485a(d) [G]§ 60.485a(e)	§ 60.486a(i) § 60.486a(i)(1) § 60.486a(i)(2) § 60.486a(i)(3)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						apply.			
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Instrumentation systems. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.173 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).	[G]§ 63.173 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.170 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Surge control vessels and bottom receivers.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief devices in liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.168 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)	[G]§ 63.168 [G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)

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								[G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7)	
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.167 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.175	Standards: Open-ended valves or lines. §63.167(a)-(e).	[G]§ 63.175 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) § 63.181(h) [G]§ 63.181(h)(1) [G]§ 63.181(h)(2) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	§ 63.162(e) § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h)	Equipment that is in organic HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j).	[G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(i) § 63.181(j)	[G]§ 63.182(a) [G]§ 63.182(b)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.164 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Compressors. §63.164(a)-(i)	[G]§ 63.164 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.165 § 63.162(a) § 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)	[G]§ 63.165 [G]§ 63.180(b) [G]§ 63.180(c) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(f)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.166 § 63.162(a)	Standards: Sampling connection systems.	[G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b)	[G]§ 63.182(a) [G]§ 63.182(b)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.162(c) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	§63.166(a)-(c)		§ 63.181(c) [G]§ 63.181(i)	§ 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Pumps in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Valves in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.169 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Agitators in heavy liquid service. §63.169(a)-(d)	[G]§ 63.169 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d) [G]§ 63.181(i)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.163 § 63.162(a) § 63.162(c) [G]§ 63.162(f)	Standards: Pumps in light liquid service. §63.163(a)-(j)	[G]§ 63.163 [G]§ 63.176 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 63.162(g) § 63.162(h) [G]§ 63.171 [G]§ 63.176			§ 63.181(h) [G]§ 63.181(h)(3) § 63.181(h)(4) [G]§ 63.181(h)(5) § 63.181(h)(6) § 63.181(h)(7) § 63.181(h)(8)	§ 63.182(c)(4) [G]§ 63.182(d)
PROPFUG	EU	63H-ALL	112(B) HAPS	40 CFR Part 63, Subpart H	[G]§ 63.174 § 63.162(a) § 63.162(c) [G]§ 63.162(f) [G]§ 63.162(g) § 63.162(h) [G]§ 63.171	Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j)	[G]§ 63.174 [G]§ 63.180(b) [G]§ 63.180(d)	§ 63.181(a) [G]§ 63.181(b) § 63.181(c) [G]§ 63.181(d)	[G]§ 63.182(a) [G]§ 63.182(b) § 63.182(c) [G]§ 63.182(c)(1) § 63.182(c)(4) [G]§ 63.182(d)
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(3) § 115.357(8)	No compressor seals in hydrogen service with a hydrogen content that can be demonstrated to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(2) § 115.352(9)	Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves (PRVs) equipped with a rupture disk	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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						or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (i.e. in-line check valves) are exempt from the requirements of this division, except that each PRV equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).			
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7)	No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(1) § 115.357(8)	as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.			
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(C) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(8) § 115.358(c)(1) [G]§ 115.358(h)	If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring.	§ 115.354(1) § 115.354(11) § 115.354(13)(A) § 115.354(13)(B) § 115.354(13)(C) § 115.354(13)(D) § 115.354(13)(E) § 115.354(13)(F) § 115.354(4) § 115.354(5) § 115.354(9) [G]§ 115.355 § 115.358(c)(2) § 115.358(d) [G]§ 115.358(e) § 115.358(f)	§ 115.352(7) § 115.354(13)(D) § 115.354(13)(E) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) [G]§ 115.356(4) § 115.356(5)	[G]§ 115.358(g)
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2)	No pump seals that are equipped with a shaft sealing system that	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1)	None

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					§ 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(5)	Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(10)	Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(11)	Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None

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						§115.356(3)(C) of this title.			
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(13)	Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.357(6)	Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of this division except §115.356(3)(C) of this title.	None	§ 115.356 § 115.356(3) [G]§ 115.356(3)(C)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7) § 115.357(1)	No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(7)	No process drains contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) § 115.356(5)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(9) § 115.357(1) § 115.357(8) § 115.357(9)	No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(5) § 115.352(7)	No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(4) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9)	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(9) § 115.357(12) § 115.357(8) § 115.357(9)	screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	[G]§ 115.356(3)(C) § 115.356(5)	
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(1) § 115.357(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	[G]§ 115.354(7)
PROPFUG-	EU	R5352-	VOC	30 TAC Chapter	§ 115.352(1)(A)	No valves contacting a fluid	§ 115.354(1)	§ 115.352(7)	[G]§ 115.354(7)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
VVB		ALL		115, Pet. Refinery & Petrochemicals	§ 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(B) § 115.352(3) § 115.352(4) § 115.352(5) § 115.352(6) § 115.352(7) § 115.357(12) § 115.357(8) § 115.357(9)	with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) [G]§ 115.354(7) § 115.354(9) [G]§ 115.355	§ 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8) § 115.357(1) § 115.357(12) § 115.357(8)	No flanges or other connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(3) § 115.352(5) § 115.352(7) § 115.352(8)	No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which	§ 115.354(1) § 115.354(10) § 115.354(11) § 115.354(3) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.357(12) § 115.357(8)	exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		[G]§ 115.356(3)(C) § 115.356(5)	
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(1) § 115.357(8)	No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(A) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(7) § 115.357(8)	No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(4) § 115.357(8)	No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	[G]§ 115.355	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii) § 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(1) § 115.357(8)	No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.	§ 115.354(1) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355 § 115.357(1)	§ 115.352(7) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A) § 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	None
PROPFUG-VVB	EU	R5352-ALL	VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	§ 115.352(1)(B) § 115.352(1) § 115.352(2) § 115.352(2)(A) § 115.352(2)(C) § 115.352(2)(C)(i) § 115.352(2)(C)(ii)	No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery	§ 115.354(1) § 115.354(10) § 115.354(2) § 115.354(5) § 115.354(6) § 115.354(9) [G]§ 115.355	§ 115.352(7) § 115.354(10) § 115.356 [G]§ 115.356(1) [G]§ 115.356(2) § 115.356(3) § 115.356(3)(A)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 115.352(2)(C)(iii) § 115.352(3) § 115.352(5) § 115.352(7) § 115.357(12) § 115.357(8)	which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.		§ 115.356(3)(B) [G]§ 115.356(3)(C) § 115.356(5)	
PROPFUG-VVB	EU	60VVb	VOC	40 CFR Part 60, Subpart VVb	§ 60.480b(b) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart VVb	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart VVb	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart VVb	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart VVb	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart VVb
PROPVENT	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY
T-1	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						for combustion devices).			
T-2	EP	R5121-4	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(a)(1) § 115.121(a)(1) § 115.122(a)(1)(B) § 60.18	Vent gas streams affected by §115.121(a)(1) must be controlled properly with a control efficiency of at least 90% or to a volatile organic compound (VOC) concentration of no more than 20 parts per million (ppmv) (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(1) § 115.126(1)(B) § 115.126(2)	§ 115.126 § 115.126(1) § 115.126(1)(B) § 115.126(2)	None
TK-94285	EU	R5112-00a	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
TK-97369	EU	R5112-00a	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
TK-97371	EU	R5112-00a	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
TK-97372	EU	R5112-00a	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						vapor pressure less than 1.5 psia is exempt from the requirements of this division.			
TK-99248	EU	R5112-00A	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(a)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
TK-C13571	EU	R5112-00a	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
TK-C13572	EU	R5112-00a	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
YYVENTS	EU	63YY	112(B) HAPS	40 CFR Part 63, Subpart YY	§ 63.1103 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart YY	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart YY

Additional Monitoring Requirements

Periodic Monitoring Summary 196

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 10T-113	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-005
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Bottom Filled Tank Design	
Minimum Frequency: On change	
Averaging Period: N/A	
Deviation Limit: Failure to maintain document showing bottom-filled configuration of tank. Failure to update records and /or Title V permit as needed upon physical change of tank.	
Periodic Monitoring Text: Maintain an up-to-date record of the tank design showing all fill locations on the tank. Records must show that the tank is bottom-filled and must be updated upon any physical modification that impacts the location of fill pipes on the tank.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 10T-113	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-005
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 10T-114	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-005
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Bottom Filled Tank Design	
Minimum Frequency: On Change	
Averaging Period: N/A	
Deviation Limit: Failure to maintain document showing bottom-filled configuration of tank. Failure to update records and /or Title V permit as needed upon physical change of tank.	
Periodic Monitoring Text: Maintain an up-to-date record of the tank design showing all fill locations on the tank. Records must show that the tank is bottom-filled and must be updated upon any physical modification that impacts the location of fill pipes on the tank.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 10T-114	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-005
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: AUT4930	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Ka	SOP Index No.: 60Ka-25
Pollutant: VOC	Main Standard: § 60.112a(a)(2)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: N/A	
Deviation Limit: Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric	
Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: CP-31	
Control Device ID No.: LOUBOILER4	Control Device Type: Steam generating unit (boiler)/process heater (design heat input is greater than or equal to 44 megawatts)
Control Device ID No.: LOUBOILER5	Control Device Type: Steam generating unit (boiler)/process heater (design heat input is greater than or equal to 44 megawatts)
Control Device ID No.: LOUBOILER6	Control Device Type: Steam generating unit (boiler)/process heater (design heat input is greater than or equal to 44 megawatts)
Control Device ID No.: LOUBOILER7	Control Device Type: Steam generating unit (boiler)/process heater (design heat input is greater than or equal to 44 megawatts)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-6
Pollutant: VOC	Main Standard: § 115.122(a)(1)
Monitoring Information	
Indicator: Period of operation	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: Furnace is not operating while VOC streams from catalyst regeneration are being introduced.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or process heater during periods of catalyst regeneration. Periods that are not recorded during which the heaters are used to control volatile organic compound emissions shall be considered as a deviation. The records must be available for inspection.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GAS-TK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-GAS
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: Non-availability of tank construction specifications	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GAS-TK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-GAS
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: If needed repairs are not completed prior to refilling the storage vessel	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LOUT33752	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-002
Pollutant: VOC	Main Standard: § 115.132(a)(2)
Monitoring Information	
Indicator: External Floating Roof Inspection	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Failure to repair the items or empty and remove the storage vessel from service within 45 days after discovery or within 75 days if an extension is granted.	
Periodic Monitoring Text: Visually inspect and record the inspection of the floating roof. If the external floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric or a required gasket, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30 day extension may be requested from the Administrator.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LOUT33755	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-002
Pollutant: VOC	Main Standard: § 115.132(a)(2)
Monitoring Information	
Indicator: External Floating Roof Inspection	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Failure to repair the items or empty and remove the storage vessel from service within 45 days after discovery or within 75 days if an extension is granted.	
Periodic Monitoring Text: Visually inspect and record the inspection of the floating roof. If the external floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric or a required gasket, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30 day extension may be requested from the Administrator.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: LOUT33756	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Water Separation	SOP Index No.: R5131-002
Pollutant: VOC	Main Standard: § 115.132(a)(2)
Monitoring Information	
Indicator: External Floating Roof Inspection	
Minimum Frequency: Annually	
Averaging Period: N/A	
Deviation Limit: Failure to repair the items or empty and remove the storage vessel from service within 45 days after discovery or within 75 days if an extension is granted.	
Periodic Monitoring Text: Visually inspect and record the inspection of the floating roof. If the external floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric or a required gasket, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30 day extension may be requested from the Administrator.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-99248	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-00A
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: Non-availability of tank construction specifications	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: TK-99248	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-00A
Pollutant: VOC	Main Standard: § 115.112(a)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: N/A	
Deviation Limit: If needed repairs are not completed prior to refilling the storage vessel	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
10F-1102	N/A	40 CFR Part 60, Subpart NNN	A process vent subject to requirements of 40 CFR Part 63, Subpart YY is not required to comply with the requirements of 40 CFR Part 60, Subpart NNN.
10F-1102	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
10F-112	N/A	40 CFR Part 60, Subpart NNN	A process vent subject to requirements of 40 CFR Part 63, Subpart YY is not required to comply with the requirements of 40 CFR Part 60, Subpart NNN.
10F-112	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
10F-113	N/A	40 CFR Part 60, Subpart NNN	A process vent subject to requirements of 40 CFR Part 63, Subpart YY is not required to comply with the requirements of 40 CFR Part 60, Subpart NNN.
10F-113	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
10F-115	N/A	40 CFR Part 60, Subpart NNN	A process vent subject to requirements of 40 CFR Part 63, Subpart YY is not required to comply with the requirements of 40 CFR Part 60, Subpart NNN.
10F-115	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
10F-118	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
10F-1501	N/A	30 TAC Chapter 115, Water Separation	Equipment is not a VOC water separator. It is a process vessel that is not a source of vent gas.
10F-1502	N/A	30 TAC Chapter 115, Water Separation	Equipment is not a VOC water separator. It is a process vessel that is not a source of vent gas.
10F-204	N/A	30 TAC Chapter 115, Water Separation	Equipment is not a VOC water separator. It is a process vessel that is not a source of vent gas.
10F-223	N/A	30 TAC Chapter 115, Water Separation	Equipment is not a VOC water separator. It is a process vessel that is not a source of vent gas.
10F-285	N/A	40 CFR Part 63, Subpart YY	The process vent does not discharge HAP. Therefore, the unit does not meet the definition of an ethylene process vent under this subpart.
10F-299	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
10F-301	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
10F-502	N/A	40 CFR Part 60, Subpart NNN	Distillation unit constructed before 12/30/83 and has not been modified later than 12/30/83.
10F-502	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
10F-695A	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
10F-695A	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
10F-695B	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
10F-695B	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
10T-109	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
10T-109	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
10T-113	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
10T-113	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
10T-114	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
10T-114	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
2C-12	N/A	40 CFR Part 60, Subpart NNN	As HON Group 1 process vent, distillation unit is required to comply only with the provisions of HON.
30G-101	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11, 2005.
31T-104	N/A	40 CFR Part 60, Subpart Kb	As a HON Group 1 storage vessel, the tank is required to comply with the provisions of HON G.
31T-104	N/A	40 CFR Part 61, Subpart Y	As a HON Group 1 storage vessel, the tank is required to comply with the provisions of HON G.
33P-106	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11,

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			2005.
33P-107	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11, 2005.
34P-109A	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11, 2005.
34P-109B	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11, 2005.
34P-109C	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11, 2005.
34P-109D	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11, 2005.
34P-118S	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11, 2005.
3C-11	N/A	40 CFR Part 60, Subpart NNN	As HON Group 1 process vent, distillation unit is required to comply only with the provisions of HON.
3C-14	N/A	40 CFR Part 60, Subpart NNN	As HON Group 1 process vent, distillation unit is required to comply only with the provisions of HON.
3C-15	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
3C-4	N/A	40 CFR Part 60, Subpart NNN	As HON Group 1 process vent, distillation unit is required to comply only with the provisions of HON.
41LG-2000	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11, 2005.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
41LG-2000	N/A	40 CFR Part 63, Subpart ZZZZ	Unit is an existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions.
5F-1	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
5F-11	N/A	40 CFR Part 60, Subpart NNN	Distillation unit constructed before 12/30/83 and has not been modified later than 12/30/83.
5F-11	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
5F-2	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
5F-2	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
5F-21	N/A	40 CFR Part 60, Subpart NNN	Distillation unit constructed before 12/30/83 and has not been modified later than 12/30/83.
5F-21	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
AUT33979	N/A	40 CFR Part 60, Subpart Kb	Storage capacity greater than 20,000 gallons but less than 40,000 gallons and true vapor pressure of material stored is less than 2.2 psia.
AUT4865	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 and Group 2 storage vessel, tank is required to comply only with the provisions of HON.
AUT4865	N/A	40 CFR Part 61, Subpart Y	As HON Group 1 storage vessel, tank is required to comply only with the provisions of HON.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
AUT4866	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 and Group 2 storage vessel, tank is required to comply only with the provisions of HON.
AUT4866	N/A	40 CFR Part 61, Subpart Y	As HON Group 1 storage vessel, tank is required to comply only with the provisions of HON.
AUT4867	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 and Group 2 storage vessel, tank is required to comply only with the provisions of HON.
AUT4867	N/A	40 CFR Part 61, Subpart Y	As HON Group 1 storage vessel, tank is required to comply only with the provisions of HON.
AUT4868	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 and Group 2 storage vessel, tank is required to comply only with the provisions of HON.
AUT4868	N/A	40 CFR Part 61, Subpart Y	As HON Group 1 storage vessel, tank is required to comply only with the provisions of HON.
AUT4880	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 and Group 2 storage vessel, tank is required to comply only with the provisions of HON.
AUT4880	N/A	40 CFR Part 61, Subpart Y	As HON Group 1 storage vessel, tank is required to comply only with the provisions of HON.
AUT4881	N/A	40 CFR Part 60, Subpart K	Tank was constructed before 6/11/73 and has not been modified later than 6/11/73.
AUT4881	N/A	40 CFR Part 61, Subpart Y	Comply with HON Subpart G in lieu of NESHAP

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			Subpart Y pursuant to § 63.110(b)(2).
AUT4882	N/A	40 CFR Part 60, Subpart K	Tank was constructed before 6/11/73 and has not been modified later than 6/11/73.
AUT4882	N/A	40 CFR Part 61, Subpart Y	Comply with HON Subpart G in lieu of NESHAP Subpart Y pursuant to § 63.110(b)(2).
AUT4883	N/A	40 CFR Part 60, Subpart K	Tank was constructed before 6/11/73 and has not been modified later than 6/11/73.
AUT4883	N/A	40 CFR Part 61, Subpart Y	Comply with HON Subpart G in lieu of NESHAP Subpart Y pursuant to § 63.110(b)(2).
AUT4884	N/A	30 TAC Chapter 115, Water Separation	Vessel is primarily a storage tank. As such, it complies with 30 TAC 115 storage vessel provisions and not 30 TAC 115 VOC water separator provisions.
AUT4884	N/A	40 CFR Part 60, Subpart Kb	As HON Group 1 or Group 2 storage vessel, tank is required to comply only with the provisions of HON.
AUT4884	N/A	40 CFR Part 61, Subpart Y	As HON Group 1 storage vessel, tank is required to comply only with the provisions of HON.
BF-11	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
BF-12	N/A	40 CFR Part 60, Subpart RRR	As HON Group 1 process vent, distillation unit is required to comply only with the provisions of HON.
BF-1A	N/A	40 CFR Part 60, Subpart RRR	As HON Group 1 process vent, distillation unit is required to comply only with the provisions of

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The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			HON.
BF-1B	N/A	40 CFR Part 60, Subpart RRR	As HON Group 1 process vent, reactor process is required to comply only with the provisions of HON.
BF-2	N/A	40 CFR Part 60, Subpart RRR	As HON Group 1 process vent, distillation unit is required to comply only with the provisions of HON.
BF-3	N/A	40 CFR Part 60, Subpart NNN	As HON Group 1 process vent, distillation unit is required to comply only with the provisions of HON.
GRP115TANK	TK-10T-108, TK-1993, TK-880616, TK-890378, TK-94745, TK-97368, TK-97370, TK-981715, TK-C12474, TK-LOUCWT, TK-N80919, TK-N83932, TKLUBEOILA	40 CFR Part 60, Subpart Kb	Unit is a group of storage tanks with storage capacity less than 75 cubic meters, store volatile organic liquids for which construction, reconstruction, or modification is commenced after July 23, 1984.
GRPEXMPTTK	34-PT-109C, 34PT-109A, 34PT-109B, 34PT-109C, 34PT-109D, 34PT-114A, 34PT-114B, 34PT-114S, TK-01128, TK-01129, TK-01202, TK-01322, TK-230815, TK-28011, TK-30T-100, TK-33876T1, TK-33996T2, TK-33T-100, TK-34T-107, TK-5310494, TK-5310495, TK-5310496, TK-5310497, TK-5310498, TK-5310499, TK-5310500, TK-5310501, TK-5310503, TK-5310504, TK-5310506, TK-5310507, TK-5310508, TK-5317003, TK-5334499, TK-AWC764, TK-CFURN, TK-EFURN, TK-ETHFURN,	30 TAC Chapter 115, Storage of VOCs	Unit is a storage tank with storage capacity less than 1,000 gallons.

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
	TK-LOUMT1, TK-LOUMT2, TK-LOUMT3, TK30G-101T, TKPARTWSH1, TKPARTWSH2, TKPARTWSH3, TKWSTEOIL1, TKWSTEOIL2		
GRPEXMPTTK	34-PT-109C, 34PT-109A, 34PT-109B, 34PT-109C, 34PT-109D, 34PT-114A, 34PT-114B, 34PT-114S, TK-01128, TK-01129, TK-01202, TK-01322, TK-230815, TK-28011, TK-30T-100, TK-33876T1, TK-33996T2, TK-33T-100, TK-34T-107, TK-5310494, TK-5310495, TK-5310496, TK-5310497, TK-5310498, TK-5310499, TK-5310500, TK-5310501, TK-5310503, TK-5310504, TK-5310506, TK-5310507, TK-5310508, TK-5317003, TK-5334499, TK-AWC764, TK-CFURN, TK-EFURN, TK-ETHFURN, TK-LOUMT1, TK-LOUMT2, TK-LOUMT3, TK30G-101T, TKPARTWSH1, TKPARTWSH2, TKPARTWSH3, TKWSTEOIL1, TKWSTEOIL2	40 CFR Part 60, Subpart Kb	Unit is a storage tank with storage capacity less than 75 cubic meters and the construction, reconstruction, or modification is commenced after July 23, 1984.
GRPFUGS	AUFUGS, CHXUFUGS	40 CFR Part 61, Subpart J	Group of fugitive units will comply with 40 CFR Part 63, Subpart H in lieu of NESHAPS Subpart J pursuant to 63.160(b)(2).
GRPFUGS	AUFUGS, CHXUFUGS	40 CFR Part 61, Subpart V	Group of fugitive units will comply with 40 CFR Part 63, Subpart H in lieu of NESHAPS Subpart V pursuant to 63.160(b)(2).

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
GRP_FURNACES	LOUBOILER1, LOUBOILER2, LOUBOILER3, LOUBOILER4, LOUBOILER5, LOUBOILER6, LOUBOILER7, LOUBOILER8	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
GRP_FURNACES	LOUBOILER1, LOUBOILER2, LOUBOILER3, LOUBOILER4, LOUBOILER5, LOUBOILER6, LOUBOILER7, LOUBOILER8	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
LOUBOILER1	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
LOUBOILER1	N/A	40 CFR Part 63, Subpart DDDDD	Source as part of GRP_FURNACES is covered by 40 CFR Part 63, Subpart YY is not subject to 40 CFR Part 63, Subpart DDDDD.
LOUBOILER1	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
LOUBOILER2	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
LOUBOILER2	N/A	40 CFR Part 63, Subpart DDDDD	Source as part of GRP_FURNACES is covered by 40 CFR Part 63, Subpart YY is not subject to 40 CFR Part 63, Subpart DDDDD.
LOUBOILER2	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
LOUBOILER3	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
LOUBOILER3	N/A	40 CFR Part 63, Subpart DDDDD	Source as part of GRP_FURNACES is covered

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			by 40 CFR Part 63, Subpart YY is not subject to 40 CFR Part 63, Subpart DDDDD.
LOUBOILER3	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
LOUBOILER4	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
LOUBOILER4	N/A	40 CFR Part 63, Subpart DDDDD	Source as part of GRP_FURNACES is covered by 40 CFR Part 63, Subpart YY is not subject to 40 CFR Part 63, Subpart DDDDD.
LOUBOILER4	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
LOUBOILER5	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
LOUBOILER5	N/A	40 CFR Part 63, Subpart DDDDD	Source as part of GRP_FURNACES is covered by 40 CFR Part 63, Subpart YY is not subject to 40 CFR Part 63, Subpart DDDDD.
LOUBOILER5	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
LOUBOILER6	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
LOUBOILER6	N/A	40 CFR Part 63, Subpart DDDDD	Source as part of GRP_FURNACES is covered by 40 CFR Part 63, Subpart YY is not subject to 40 CFR Part 63, Subpart DDDDD.

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
LOUBOILER6	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
LOUBOILER7	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
LOUBOILER7	N/A	40 CFR Part 63, Subpart DDDDD	Source as part of GRP_FURNACES is covered by 40 CFR Part 63, Subpart YY is not subject to 40 CFR Part 63, Subpart DDDDD.
LOUBOILER7	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
LOUBOILER8	N/A	40 CFR Part 60, Subpart RRR	Reactor process constructed before 6/29/90 and has not been modified later than 6/29/90.
LOUBOILER8	N/A	40 CFR Part 63, Subpart DDDDD	Source as part of GRP_FURNACES is covered by 40 CFR Part 63, Subpart YY is not subject to 40 CFR Part 63, Subpart DDDDD.
LOUBOILER8	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process vent is not a HON Group 1 or Group 2 process vent.
LOUBOILR11	N/A	40 CFR Part 60, Subpart RRR	A process vent subject to requirements of 40 CFR Part 63, Subpart YY is not required to comply with the requirements of 40 CFR Part 60, Subpart RRR.
LOUBOILR11	N/A	40 CFR Part 63, Subpart DDDDD	Source is covered by 40 CFR Part 63, Subpart YY is not subject to 40 CFR Part 63, Subpart DDDDD.
LOUBOILR11	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - process

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			vent is not a HON Group 1 or Group 2 process vent.
LOUCOOLTWR	N/A	40 CFR Part 63, Subpart Q	Cooling tower is not operated with chromium-based water treatment chemicals.
LOUFUGS	N/A	40 CFR Part 60, Subpart VV	A process vent subject to requirements of 40 CFR Part 63, Subpart YY is not required to comply with the requirements of 40 CFR Part 60, Subpart VV.
LOUFUGS	N/A	40 CFR Part 61, Subpart J	Comply with MACT YY in lieu of NESHAPS Subpart J pursuant to 63.1100(g)(4).
LOUFUGS	N/A	40 CFR Part 61, Subpart V	Comply with MACT YY in lieu of NESHAPS Subpart V pursuant to 63.1100(g)(4).
LOUHEATER1	N/A	30 TAC Chapter 117, Subchapter B	Unit is an industrial process heater with a maximum rated capacity of less than 40 million thermal units per hour (MMBtu/hr).
LOUPFOLR	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - transfer rack is not a HON Group 1 or Group 2 transfer rack.
LOUPFOLR	N/A	40 CFR Part 63, Subpart YY	The pyrolysis fuel oil rack is an uncontrolled loading rack with a vapor pressure < 0.5 psia
LOUT1596	N/A	40 CFR Part 60, Subpart Kb	Comply with HON Subpart G in lieu of NSPS Kb pursuant to the exemption in 63.110(b).
LOUT1597	N/A	40 CFR Part 60, Subpart K	Tank was constructed before 6/11/73 and has not been modified later than 6/11/73.
LOUT33752	N/A	40 CFR Part 60, Subpart Ka	Comply with MACT Subpart YY in lieu of NSPS Ka or Kb pursuant to the exemption in

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			63.1100(g)(1)(ii).
LOUT33753	N/A	40 CFR Part 60, Subpart Ka	Comply with MACT Subpart YY in lieu of NSPS Ka or Kb pursuant to the exemption in 63.1100(g)(1)(ii).
LOUT33753	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
LOUT33756	N/A	40 CFR Part 60, Subpart K	Tank does not store petroleum liquids as defined in § 60.111
LOUT33757	N/A	40 CFR Part 60, Subpart Kb	Comply with MACT Subpart YY in lieu of NSPS Kb pursuant to the exemption in 63.1100(g)(1)(ii).
LOUT33758	N/A	40 CFR Part 60, Subpart Ka	Comply with MACT Subpart YY in lieu of NSPS Ka or Kb pursuant to the exemption in 63.1100(g)(1)(ii).
LOUT33758	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
LOUT33759	N/A	30 TAC Chapter 115, Water Separation	Vessel is primarily a storage tank. As such, it complies with 30 TAC 115 storage vessel provisions and not 30 TAC 115 VOC water separator provisions.
LOUT33759	N/A	40 CFR Part 60, Subpart Ka	Comply with MACT Subpart YY in lieu of NSPS Ka or Kb pursuant to the exemption in 63.1100(g)(1)(ii).
LOUT33759	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
LOUT33760	N/A	40 CFR Part 60, Subpart Ka	Comply with MACT Subpart YY in lieu of NSPS

Permit Shield

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
			Ka or Kb pursuant to the exemption in 63.1100(g)(1)(ii).
LOUT33760	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
LOUT33799	N/A	30 TAC Chapter 115, Water Separation	Vessel is primarily a storage tank. As such, it complies with 30 TAC 115 storage vessel provisions and not 30 TAC 115 VOC water separator provisions.
LOUT33799	N/A	40 CFR Part 60, Subpart Ka	Comply with MACT YY in lieu of NSPS Ka pursuant to the exemption in 63.1100(g)(1)(ii).
P-1	N/A	40 CFR Part 60, Subpart IIII	Unit commenced construction before July 11, 2005.
T-1	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
T-2	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR Subpart F - process vent is not a HON Group 1 or 2 process vent.
TK-94285	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
TK-94285	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
TK-97369	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
TK-97369	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
TK-97371	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).

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Unit / Group / Process ID No.	Group / Inclusive Units	Regulation	Basis of Determination
TK-97371	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
TK-97372	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
TK-97372	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
TK-99248	N/A	40 CFR Part 60, Subpart Kb	Unit is a storage tank with storage capacity less than 75 cubic meters.
TK-C13571	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
TK-C13571	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.
TK-C13572	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 40 cubic meters (10,567 gallons).
TK-C13572	N/A	40 CFR Part 63, Subpart G	Not subject to 40 CFR 63 Subpart F - tank is not a HON Group 1 or Group 2 storage vessel.

New Source Review Authorization References

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New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX794	Issuance Date: 01/17/2023
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 16989	Issuance Date: 01/17/2023
Authorization No.: 112518	Issuance Date: 07/14/2022
Authorization No.: 118347	Issuance Date: 03/15/2023
Authorization No.: 124103	Issuance Date: 10/04/2023
Authorization No.: 140051	Issuance Date: 09/12/2023
Authorization No.: 150531	Issuance Date: 03/20/2018
Authorization No.: 150649	Issuance Date: 08/06/2018
Authorization No.: 178546	Issuance Date: 12/19/2024
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.475	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
10F-1102	LOU QUENCH TOWER	16989, PSDTX794
10F-112	LOU ETHYLENE TOWER	16989, PSDTX794
10F-113	LOU DEPROPANIZER RECTIFIER	16989, PSDTX794
10F-115	LOU DEBUTANIZER	16989, PSDTX794
10F-118	WATER STRIPPER	16989, PSDTX794
10F-1501	E/P FEED SEPARATOR (38393)	16989, PSDTX794
10F-1502	E/P FEED SEPARATOR (38394)	16989, PSDTX794
10F-204	OILY WATER SEPARATOR (38399)	16989, PSDTX794
10F-223	METH. EFFLUENT SEPARATOR (38387)	16989, PSDTX794
10F-285	DISULFIDE OIL PROCESS VENT	16989, PSDTX794
10F-299	COLD TRAIN PROCESS (METHANATOR)	16989, PSDTX794
10F-301	COLD TRAIN PROCESS (METHANATOR)	16989, PSDTX794
10F-502	RERUN TOWER (39162)	16989, PSDTX794
10F-695A	GASOLINE HYDROGENATION REACTOR (39156)	16989, PSDTX794
10F-695B	GASOLINE HYDROGENATION REACTOR (39156)	16989, PSDTX794
10T-109	EMERGENCY GENERATOR DIESEL TANK	16989, PSDTX794
10T-113	TANK 113	16989, PSDTX794
10T-114	METHANOL TANK 10T-114	16989, PSDTX794
2C-12	DEPENTANIZER	16989, PSDTX794
30G-101	30G-101	16989, PSDTX794
31T-104	TANK 31T-104	106.475/09/04/2000

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
33P-105B	72 FIREWATER PUMP	16989, PSDTX794
33P-106	71 FIREWATER PUMP 1	16989, PSDTX794
33P-107	71 FIREWATER PUMP 2	16989, PSDTX794
34-PT-109C	DIESEL FUEL TANK	16989, PSDTX794
34P-109A	WEST STORMWATER PUMP 1	16989, PSDTX794
34P-109B	WEST STORMWATER PUMP 2	16989, PSDTX794
34P-109C	WEST STORMWATER PUMP 3	16989, PSDTX794
34P-109D	WEST STORMWATER PUMP 4	16989, PSDTX794
34P-114A	CLEAN WATER (SW) PUMP A	16989, PSDTX794
34P-114B	CLEAN WATER (SW) PUMP B	16989, PSDTX794
34P-114S	CLEAN WATER (SW) PUMP C	16989, PSDTX794
34P-118S	API SEPARATOR EMERGENCY PUMP	16989, PSDTX794
34PT-109A	DIESEL FUEL TANK	16989, PSDTX794
34PT-109B	DIESEL FUEL TANK	16989, PSDTX794
34PT-109C	DIESEL FUEL TANK	16989, PSDTX794
34PT-109D	DIESEL FUEL TANK	16989, PSDTX794
34PT-114A	DIESEL FUEL TANK	16989, PSDTX794
34PT-114B	DIESEL FUEL TANK	16989, PSDTX794
34PT-114S	DIESEL FUEL TANK	16989, PSDTX794
37G-O100	CCR EMERGENCY GENERATOR	106.511/09/04/2000
3C-11	WATER STILL	16989, PSDTX794

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
3C-14	BENZENE TOWER	16989, PSDTX794
3C-15	BENZENE SURGE DRUM	16989, PSDTX794
3C-4	UDEX STRIPPER	16989, PSDTX794
41LG-2000	EMERGENCY GENERATOR (LOU CONTROL HOUSE)	16989, PSDTX794
5F-1	FEED SURGE DRUM	16989, PSDTX794
5F-11	SPLITTER TOWER (27641)	16989, PSDTX794
5F-2	PHU REACTOR (27646)	16989, PSDTX794
5F-21	DRIPOLENE TOWER (27639)	16989, PSDTX794
AUFLARE-1	AU FLARE	16989, PSDTX794
AUFUGS	AU FUGITIVES	16989, PSDTX794, 106.261/11/01/2003 [178157, 180093], 106.262/11/01/2003 [178157, 179249, 180093]
AUT33979	TANK 33979	16989, PSDTX794
AUT4865	BENZENE TANK	16989, PSDTX794
AUT4866	BENZENE TANK	16989, PSDTX794
AUT4867	BENZENE CLAY TOWER CHARGE TANK	16989, PSDTX794
AUT4868	OFF-TEST BENZENE TANK	16989, PSDTX794
AUT4880	BENZENE TANK	16989, PSDTX794
AUT4881	CYCLOHEXANE TANK	16989, PSDTX794
AUT4882	CYCLOHEXANE RUNDOWN TANK	16989, PSDTX794
AUT4883	OFF-TEST CYCLOHEXANE TANK	16989, PSDTX794

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
AUT4884	TANK 4884	16989, PSDTX794
AUT4930	CYCLOHEXANE TANK	16989, PSDTX794
BF-11	OFF-TEST SUCTION DRUM	16989, PSDTX794
BF-12	POLISHING REACTOR	16989, PSDTX794
BF-1A	CYCLOHEXANE REACTOR	16989, PSDTX794
BF-1B	CYCLOHEXANE REACTOR	16989, PSDTX794
BF-2	CYCLOHEXANE FLASH DRUM	16989, PSDTX794
BF-3	CYCLOHEXANE STRIPPER	16989, PSDTX794
CHXUFUGS	CHX PROCESS FUGITIVES	16989, PSDTX794, 106.262/11/01/2003 [163951]
CP-31	CONDENSATE POT	16989, PSDTX794
GAS-TK	GASOLINE STORAGE TANK	106.473/09/04/2000
LOUBOILER1	CRACKING FURNACE A	16989, PSDTX794
LOUBOILER2	CRACKING FURNACE B	16989, PSDTX794
LOUBOILER3	CRACKING FURNACE C	16989, PSDTX794
LOUBOILER4	CRACKING FURNACE D	16989, PSDTX794
LOUBOILER5	CRACKING FURNACE E	16989, PSDTX794
LOUBOILER6	CRACKING FURNACE F	16989, PSDTX794
LOUBOILER7	CRACKING FURNACE G	16989, PSDTX794
LOUBOILER8	ETHANE CRACKING FURNACE	16989, PSDTX794
LOUBOILER9	SUPERHEATER A	16989, PSDTX794
LOUBOILR10	SUPERHEATER B	16989, PSDTX794

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
LOUBOILR11	CRACKING FURNACE H	16989, PSDTX794
LOUBOILR12	STANDBY BOILER	124103
LOUCOOLTWR	LOU COOLING TOWER	16989, PSDTX794
LOUFLARE	ELEVATED FLARE	16989, PSDTX794
LOUFLARE-2	LOU UNIT SECONDARY FLARE	16989, PSDTX794
LOUFUGS	LOU FUGITIVES	16989, PSDTX794, 106.261/11/01/2003 [161300, 161654, 164053, 164117, 164263, 164412, 165268, 168490, 169161, 169831, 172191, 172293, 173548, 175806, 176631, 179565], 106.262/11/01/2003 [161300, 161654, 164053, 164117, 164263, 165268, 169831, 172191, 173548, 176631]
LOUHEATER1	REGENERATION HEATER	16989, PSDTX794
LOUPFOLR	TRUCK LOADING OPERATION	16989, PSDTX794
LOUT1596	STORAGE TANK NO 1596	16989, PSDTX794
LOUT1597	STORAGE TANK NO 1597	16989, PSDTX794
LOUT33752	EQUALIZATION TANK	16989, PSDTX794
LOUT33753	SKIMMED OIL TANK	16989, PSDTX794
LOUT33755	PARAFFINIC NAPTHA TANK	16989, PSDTX794
LOUT33756	PARAFFINIC NAPTHA TANK	16989, PSDTX794
LOUT33757	TANK 33757	16989, PSDTX794
LOUT33758	PYROLYSIS FUEL OIL	16989, PSDTX794
LOUT33759	HEAVY SLOPS OIL	16989, PSDTX794

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
LOUT33760	PYROLYSIS FUEL OIL	16989, PSDTX794
LOUT33799	RAW PYRONAPHTHA	16989, PSDTX794
LOUWASTE	WASTE STREAMS	16989, PSDTX794
P-1	R&D STORMWATER PUMP	16989, PSDTX794
PROAUWW	AU WASTEWATER TREATMENT PROCESS	16989, PSDTX794
PROCYHON	CYCLOHEXANE UNIT HON PROCESS	16989, PSDTX794
PROLOU	LOU BWON STREAMS	16989, PSDTX794
PROLWSU	LOU WATER STRIPPING UNIT	16989, PSDTX794
PROPDIST-NNNA	PROP TOWER - NNNA	140051
PROPFUG	PROP TOWER FUG	140051
PROPFUG-VVB	PROP TOWER FUGITIVES - VVB	140051
PROPVENT	PROP TOWER PROCESS VENTS	140051
T-1	BENZENE WW STRIPPER	16989, PSDTX794
T-2	BENZENE WW STRIPPER	16989, PSDTX794
TK-01128	ADDITIVE TANK	16989, PSDTX794
TK-01129	ADDITIVE TANK	16989, PSDTX794
TK-01202	ADDITIVE TANK	16989, PSDTX794
TK-01322	ADDITIVE TANK	16989, PSDTX794
TK-10T-108	LUBE OIL TANK	16989, PSDTX794
TK-1993	DIESEL FUEL TANK	16989, PSDTX794
TK-230815	ADDITIVE TANK	16989, PSDTX794

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
TK-28011	DIESEL FUEL TANK	16989, PSDTX794
TK-30T-100	DIESEL FUEL TANK	16989, PSDTX794
TK-33876T1	DIESEL FUEL TANK	16989, PSDTX794
TK-33996T2	DIESEL FUEL TANK	16989, PSDTX794
TK-33T-100	DIESEL FUEL TANK	16989, PSDTX794
TK-34T-107	DIESEL FUEL TANK	16989, PSDTX794
TK-5310494	LUBE OIL TANK	16989, PSDTX794
TK-5310495	LUBE OIL TANK	16989, PSDTX794
TK-5310496	LUBE OIL TANK	16989, PSDTX794
TK-5310497	LUBE OIL TANK	16989, PSDTX794
TK-5310498	LUBE OIL TANK	16989, PSDTX794
TK-5310499	LUBE OIL TANK	16989, PSDTX794
TK-5310500	LUBE OIL TANK	16989, PSDTX794
TK-5310501	LUBE OIL TANK	16989, PSDTX794
TK-5310503	LUBE OIL TANK	16989, PSDTX794
TK-5310504	LUBE OIL TANK	16989, PSDTX794
TK-5310506	LUBE OIL TANK	16989, PSDTX794
TK-5310507	LUBE OIL TANK	16989, PSDTX794
TK-5310508	LUBE OIL TANK	16989, PSDTX794
TK-5317003	LUBE OIL TANK	16989, PSDTX794
TK-5334499	LUBE OIL TANK	16989, PSDTX794

New Source Review Authorization References by Emissions Unit

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Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
TK-880616	ADDITIVE TANK	16989, PSDTX794
TK-890378	ADDITIVE TANK	16989, PSDTX794
TK-94285	YELLOW FIBERGLASS TANK	16989, PSDTX794
TK-94745	ADDITIVE TANK	16989, PSDTX794
TK-97368	ADDITIVE TANK	16989, PSDTX794
TK-97369	YELLOW FIBERGLASS TANK	16989, PSDTX794
TK-97370	ADDITIVE TANK	16989, PSDTX794
TK-97371	YELLOW FIBERGLASS TANK	16989, PSDTX794
TK-97372	YELLOW FIBERGLASS TANK	16989, PSDTX794
TK-981715	ADDITIVE TANK	16989, PSDTX794
TK-99248	ADDITIVE TANK	16989, PSDTX794
TK-AWC764	DIESEL FUEL TANK	16989, PSDTX794
TK-C12474	ADDITIVE TANK	16989, PSDTX794
TK-C13571	YELLOW FIBERGLASS TANK	16989, PSDTX794
TK-C13572	YELLOW FIBERGLASS TANK	16989, PSDTX794
TK-CFURN	LUBE OIL TANK	16989, PSDTX794
TK-EFURN	LUBE OIL TANK	16989, PSDTX794
TK-ETHFURN	LUBE OIL TANK	16989, PSDTX794
TK-LOUCWT	ADDITIVE TANK	16989, PSDTX794
TK-LOUMT1	LUBE OIL TANK	16989, PSDTX794
TK-LOUMT2	LUBE OIL TANK	16989, PSDTX794

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization**
TK-LOUMT3	LUBE OIL TANK	16989, PSDTX794
TK-N80919	ADDITIVE TANK	16989, PSDTX794
TK-N83932	ADDITIVE TANK	16989, PSDTX794
TK30G-101T	DIESEL FUEL TANK	16989, PSDTX794
TKLUBEOILA	LUBE OIL TANK	16989, PSDTX794
TKPARTWSH1	PARTS WASHER TANK 1	16989, PSDTX794
TKPARTWSH2	PARTS WASHER TANK 2	16989, PSDTX794
TKPARTWSH3	PARTS WASHER TANK 3	16989, PSDTX794
TKWSTEOIL1	LUBE OIL TANK	16989, PSDTX794
TKWSTEOIL2	LUBE OIL TANK	16989, PSDTX794
YYVENTS	COMBINED AU PROCESS VENTS	16989, PSDTX794

**This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

Appendix A

Acronym List 238

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
RO ..... Responsible Official
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table 240

Major NSR Summary Table

Permit Numbers: 16989 and PSDTX794					Issuance Date: January 17, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Conditions/ Application Information	Special Conditions/ Application Information	Special Conditions/ Application Information
Aromatics and Olefins Plant, Aromatics Unit (AU)							
Flare							
AUFLARE-1	AU Flare	CO, NOx, SO_2, VOC, Benzene, Toluene			2, 6, 8, 11	2, 6, 8, 11, 35	6, 8
Process Fugitive Areas							
AUFUGS	AU Fugitives (5)	VOC, Benzene, Toluene			2, 8, 15	2, 8, 15, 35	8
Tanks							
AUT33979	Tank 33979	VOC			2, 9	2, 9, 35	9
AUT4881	Tank 4881	VOC			2, 8, 9	2, 8, 9, 35	8, 9
AUT4882	Tank 4882	VOC			2, 8, 9	2, 8, 9, 35	8, 9
AUT4883	Tank 4883	VOC			2, 8, 9	2, 8, 9, 35	8, 9
AUT4884	Tank 4884	VOC, Benzene			2, 8, 9	2, 8, 9, 35	8, 9
AUT4930	Tank 4930	VOC			2, 6, 8, 9	2, 6, 8, 9, 35	6, 8, 9
Aromatics and Olefins Plant, Cyclohexane Unit (CHXU)							
Process Fugitive Areas							
CHXUFUGS	Cyclohexane Unit Fugitives (5)	VOC, Benzene			2, 8, 15	2, 8, 15, 35	8
Aromatics and Olefins Plant, Light Olefins Unit (LOU)							
Cooling Tower							
LOUCOOLTWR	LOU Cooling Tower	VOC, Benzene, Toluene, PM, PM_{10}, $PM_{2.5}$			2, 8, 28, 29, 30	2, 8, 28, 29, 30, 35	8

Major NSR Summary Table

Permit Numbers: 16989 and PSDTX794					Issuance Date: January 17, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Conditions/ Application Information	Special Conditions/ Application Information	Special Conditions/ Application Information
Flare							
LOUFLARE	LOU Elevated Flare	CO, NOx, SO_2, VOC, Benzene, Toluene			2, 6, 8, 11	2, 6, 8, 11, 35	6, 8
Process Fugitive Areas							
LOUFUGS	LOU Fugitives (5)	VOC, Benzene, Toluene			2, 8, 16	2, 8, 16, 35	8
Combustion Sources							
LOUBOILER1	Cracking Furnace A	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 23, 24	2, 3, 8, 13, 23, 24, 35	8, 23, 24
LOUBOILER2	Cracking Furnace B	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 23, 24	2, 3, 8, 13, 23, 24, 35	8, 23, 24
LOUBOILER3	Cracking Furnace C	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 23, 24	2, 3, 8, 13, 23, 24, 35	8, 23, 24
LOUBOILER4	Cracking Furnace D	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 23, 24	2, 3, 8, 13, 23, 24, 35	8, 23, 24
LOUBOILER5	Cracking Furnace E	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 23, 24	2, 3, 8, 13, 23, 24, 35	8, 23, 24
LOUBOILER6	Cracking Furnace F	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 23, 24	2, 3, 8, 13, 23, 24, 35	8, 23, 24
LOUBOILER7	Cracking Furnace G	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 23, 24	2, 3, 8, 13, 23, 24, 35	8, 23, 24
LOUBOILER8	Ethane Cracking Furnace	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 21	2, 3, 8, 13, 21, 35	8, 21
LOUBOILER9	Superheater A	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 23, 24	2, 3, 8, 13, 23, 24, 35	8, 23, 24

Major NSR Summary Table

Permit Numbers: 16989 and PSDTX794					Issuance Date: January 17, 2023		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lbs/hour	**TPY (4)**	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**	**Special Conditions/ Application Information**
LOUBOILR10	Superheater B	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 3, 8, 13, 23, 24	2, 3, 8, 13, 23, 24, 35	8, 23, 24
LOUBOILR11	Cracking Furnace H	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 6, 8, 13, 17, 22, 23, 24	2, 6, 8, 13, 17, 18, 20, 22, 23, 24, 35	6, 8, 23, 24
LOUHEATER1	GHU Regeneration Heater	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 8, 13	2, 8, 13, 35	8
Loading							
LOUPFOLR	LOU Loading Rack	VOC, Benzene, Toluene			2, 9	2, 9, 35	9
Miscellaneous Sources							
ABRSVCLEAN	Abrasive Blasting Area	PM, PM_{10}, $PM_{2.5}$			2, 50	2, 35	
AOMPANTFUG	Plant Painting Operations	VOC			2	2, 35, 49	
LOUAPIVO	API Regenerative Thermal Oxidizer (RTO)	CO, NOx, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC, Benzene,			2, 14, 25	2, 14, 25, 35	14
LOUVENTDD1	LOU Decoking Drum No.	CO, PM, PM_{10}, $PM_{2.5}$			2, 17	2, 17, 35	
LOUVENTDD2	LOU Decoking Drum No.	CO, PM, PM_{10}, $PM_{2.5}$			2, 17	2, 17, 35	
LOUCARBON1	API Carbon Adsorption System	VOC, Benzene			2, 14, 26	2, 14, 26, 35	14
AOARVS	Analyzer, Atmospheric Reference Valve	VOC, Benzene, Toluene			2	2, 12, 35	
Tanks							
10T-113	Tank 113	VOC			2, 8, 9	2, 8, 9, 35	8, 9
10T-114	Tank 114	VOC			2, 8, 9	2, 8, 9, 35	8, 9
LOUT1596	Tank 1596	VOC, Benzene, Toluene			2, 7, 8, 9	2, 7, 8, 9, 35	7, 8, 9

Major NSR Summary Table

Permit Numbers: 16989 and PSDTX794					Issuance Date: January 17, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Conditions/ Application Information	Special Conditions/ Application Information	Special Conditions/ Application Information
LOUT1597	Tank 1597	VOC, Benzene, Toluene			2, 7, 8, 9	2, 7, 8, 9, 35	7, 8, 9
LOUT33752	Tank 33752	VOC, Benzene			2, 7, 8, 9	2, 7, 8, 9, 35	7, 8, 9
LOUT33753	Tank 33753	VOC, Benzene			2, 7, 8, 9	2, 7, 8, 9, 35	7, 8, 9
LOUT33755	Tank 33755	VOC, Benzene, Toluene			2, 7, 8, 9	2, 7, 8, 9, 35	7, 8, 9
LOUT33756	Tank 33756	VOC, Benzene, Toluene			2, 7, 8, 9	2, 7, 8, 9, 35	7, 8, 9
LOUT33758	Tank 33758	VOC, Benzene, Toluene			2, 8, 9	2, 8, 9, 35	8, 9
LOUT33759	Tank 33759	VOC, Benzene			2, 7, 8, 9	2, 7, 8, 9, 35	7, 8, 9
LOUT33760	Tank 33760	VOC, Benzene, Toluene			2, 8, 9	2, 8, 9, 35	8, 9
Aromatics and Olefins Plant, Miscellaneous Sources							
Miscellaneous Chemical Storage Tanks (6)		VOC			2, 9	2, 9, 35	9
Diesel Internal Combustion Engines (6)		CO, NO_X, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC			2, 6, 8	2, 6, 8, 35	6, 8
EMISSION CAPS		CO	394.34	912.43			
		NO_X	352.16	866.35			
		PM	31.50	90.45			
		PM_{10}	31.41	90.04			
		$PM_{2.5}$	31.12	88.78			
		SO_2	185.49	197.47			
		VOC	242.4	452.6			
		Benzene (9)	16.77	41.66			
		Toluene (9)	8.92	8.39			

Major NSR Summary Table

Permit Numbers: 16989 and PSDTX794					Issuance Date: January 17, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Conditions/ Application Information	Special Conditions/ Application Information	Special Conditions/ Application Information
Planned Maintenance, Startup and Shutdown (MSS) Emission Limits							
MSSLOUFLARE	LOU FLARE	VOC (7)	585.90	49.20	36, 37, 38, 46, 47	35, 36, 37, 38, 46, 47	47
		VOC (8)	3012.99	4.94			
		Benzene (9)	299.30	2.24			
		NOx (7)	58.83	5.27			
		NOx (8)	1251.90	7.16			
		CO (7)	117.45	36.04			
		CO (8)	2499.26	14.30			
MSSAUSFLARE	AU FLARE	VOC (7)	414.74	0.92	36, 37, 38, 46, 47	35, 36, 37, 38, 46, 47	47
		VOC (8)	0.01	0.01			
		Benzene (9)	109.14	0.31			
		NOx (7)	75.69	0.11			
		NOx (8)	26.52	0.08			
		CO (7)	151.10	0.22			
		CO (8)	52.95	0.16			

Major NSR Summary Table

Permit Numbers: 16989 and PSDTX794					Issuance Date: January 17, 2023		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Special Conditions/ Application Information	Special Conditions/ Application Information	Special Conditions/ Application Information
MSSRTO	Thermal Oxidizer	VOC	0.73	0.07	36, 37, 38, 40, 41, 46	35, 36, 37, 38, 40, 41, 46	
		Benzene (9)	0.73	0.07			
		NOx	2.22	0.27			
		CO	1.48	0.18			
		PM	0.02	0.01			
		PM_{10}	0.01	0.01			
		$PM_{2.5}$	0.01	0.01			
		SO_2	0.03	0.01			
MSSFUG	Fugitive Emissions (5)	VOC	77.75	4.14	36, 37, 38, 40, 41, 42, 43, 46, 47, 49, 51	35, 36, 37, 38, 40, 41, 42, 43, 46, 47, 49, 51	47
		Benzene (9)	0.90	0.08			
		NOx	45.19	6.31			
		CO	83.09	7.26			
		PM	90.34	1.14			
		PM_{10}	81.34	1.10			
		$PM_{2.5}$	81.34	1.10			
		SO_2	2.77	0.42			

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code §101.1
NOx - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$ as represented

PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - total particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide

(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Miscellaneous sources are identified and listed in Appendix B to Attachment D Emission Caps Compliance Plan of the permit.
(7) Planned Maintenance, Startup, and Shutdown (MSS) Emissions as described in permit Special Condition numbers 36 through 52 and Attachments A, B, and C.
(8) LOU Startup emissions may occur for 73 hours annually.
(9) Total VOC allowable emissions include benzene and toluene.

Texas Commission on Environmental Quality
Air Quality Permit

A Flexible Permit Is Hereby Issued To
Motiva Chemicals LLC
Authorizing the Construction and Operation of
Flint Hills Resources Port Arthur Facility
Located at **Port Arthur, Jefferson County, Texas**
Latitude 29° 54′ 5″ Longitude −93° 58′ 10″

Permit: 16989 and PSDTX794

Revision Date: January 17, 2023

Expiration Date: August 28, 2030

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. It shall be unlawful for any person to vary from such representation or flexible permit provision if the change will cause a change in the method of control of emissions, the character of the emissions, will relax emission controls or will result in a significant increase in emissions, unless application is made to the executive director to amend the flexible permit in that regard and such amendment is approved by the executive director. [Title 30 Texas Administrative Code (TAC) Sections 116.715(c)(8) and 116.721 (30 TAC § 116.721)] [1]
2. **Voiding of Permit**. A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress**. Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.715(c)(2)]
4. **Start-up Notification**. The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.715(c)(3)]
5. **Sampling Requirements**. If sampling is required, the flexible permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The flexible permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.715(c)(4)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to

methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.715(c)(5)]

7. **Recordkeeping.** A copy of the flexible permit along with information and data sufficient to demonstrate continuous compliance with the emission caps and individual emission limitations contained in the flexible permit shall be maintained in a file at the plant site and made available at the request of personnel from the commission or any air pollution control program having jurisdiction. This information shall include, but is not limited to, emission cap and individual emission limitation calculations based on a 12-month rolling basis; emission cap and individual emission limitation calculations corresponding to any short term emission limitation; production records and operating hours; and additional recordkeeping requirements specified in special conditions attached to the flexible permit. Information in the file shall be retained for at least two years following the date that the information or data is obtained. For facilities that normally operate unattended, this information shall be maintained at the nearest staffed location within Texas specified by the permit holder in the permit application. [30 TAC § 116.715(c)(6)]
8. **Maximum Allowable Emission Rates**A flexible permit covers only those sources of emissions and those air contaminants listed in the table entitled “Emission Sources, Emissions Caps and Individual Emission Limitations” in the flexible permit. Each permitted facility, group of facilities or account is limited to the emission limits and other conditions specified in the table in the flexible permit. [30 TAC § 116.715(c)(7)] [1]
9. **Emission Cap Readjustment.** If a schedule to install additional controls is included in the flexible permit and a facility subject to such a schedule is taken out of service, the emission cap contained in the flexible permit will be readjusted for the period the unit is out of service to a level as if no schedule had been established. Unless a special condition specifies the method of readjustment of the emission cap, a permit alteration shall be obtained. [30 TAC § 116.715(c)(9)]
10. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The flexible permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.715(c)
11. **Compliance with Rules**. Acceptance of a flexible permit by an applicant constitutes an acknowledgment and agreement that the flexible permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the flexible permit. [30 TAC § 116.715(c)(11)]
12. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
13. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.715(d)]
14. **Emissions** from this facility must not cause or contribute to “air pollution” as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
15. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. [1]

[1] Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

Common Acronyms in Air Permits

°C = Temperature in degrees Celsius
°F = Temperature in degrees Fahrenheit
°K = Temperature in degrees Kelvin
µg = microgram
µg/m^3 = microgram per cubic meter
acfm = actual cubic feet per minute
AMOC = alternate means of control
AOS = alternative operating scenario
AP-42 = Air Pollutant Emission Factors, 5th edition
APD = Air Permits Division
API = American Petroleum Institute
APWL = air pollutant watch list
BPA = Beaumont/ Port Arthur
BACT = best available control technology
BAE = baseline actual emissions
bbl = barrel
bbl/day = barrel per day
bhp = brake horsepower
BMP = best management practices
Btu = British thermal unit
Btu/scf = British thermal unit per standard cubic foot or feet
CAA = Clean Air Act
CAM = compliance-assurance monitoring
CEMS = continuous emissions monitoring systems
cfm = cubic feet (per) minute
CFR = Code of Federal Regulations
CN = customer ID number
CNG = compressed natural gas
CO = carbon monoxide
COMS = continuous opacity monitoring system
CPMS = continuous parametric monitoring system
DFW = Dallas/ Fort Worth (Metroplex)
DE = destruction efficiency
DRE = destruction and removal efficiency
dscf = dry standard cubic foot or feet
dscfm = dry standard cubic foot or feet per minute
ED = (TCEQ) Executive Director
EF = emissions factor
EFR = external floating roof tank
EGU = electric generating unit
EI = Emissions Inventory
ELP = El Paso
EPA = (United States) Environmental Protection Agency
EPN = emission point number
ESL = effects screening level
ESP = electrostatic precipitator
FCAA = Federal Clean Air Act
FCCU = fluid catalytic cracking unit
FID = flame ionization detector
FIN = facility identification number
ft = foot or feet
ft/sec = foot or feet per second
g = gram
gal/wk = gallon per week
gal/yr = gallon per year
GLC = ground level concentration
GLC_{max} = maximum (predicted) ground-level concentration
gpm = gallon per minute
gr/1000scf = grain per 1000 standard cubic feet
gr/dscf = grain per dry standard cubic feet
H_2CO = formaldehyde
H_2S = hydrogen sulfide
H_2SO_4 = sulfuric acid
HAP = hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
HC = hydrocarbons
HCl = hydrochloric acid, hydrogen chloride
Hg = mercury
HGB = Houston/Galveston/Brazoria
hp = horsepower
hr = hour
IFR = internal floating roof tank
in H_2O = inches of water
in Hg = inches of mercury
IR = infrared
ISC3 = Industrial Source Complex, a dispersion model
ISCST3 = Industrial Source Complex Short-Term, a dispersion model
K = Kelvin; extension of the degree Celsius scaled-down to absolute zero
LACT = lease automatic custody transfer
LAER = lowest achievable emission rate
lb = pound
lb/day = pound per day
lb/hr = pound per hour
lb/MMBtu = pound per million British thermal units
LDAR = Leak Detection and Repair (Requirements)
LNG = liquefied natural gas
LPG = liquefied petroleum gas
LT/D = long ton per day
m = meter
m^3 = cubic meter
m/sec = meters per second
MACT = maximum achievable control technology
MAERT = Maximum Allowable Emission Rate Table
MERA = Modeling and Effects Review Applicability
mg = milligram
mg/g = milligram per gram
mL = milliliter
MMBtu = million British thermal units
MMBtu/hr = million British thermal units per hour
MSDS = material safety data sheet
MSS = maintenance, startup, and shutdown
MW = megawatt
NAAQS = National Ambient Air Quality Standards
NESHAP = National Emission Standards for Hazardous Air Pollutants
NGL = natural gas liquids
NNSR = nonattainment new source review
NO_x = total oxides of nitrogen
NSPS = New Source Performance Standards

PAL = plant-wide applicability limit
PBR = Permit(s) by Rule
PCP = pollution control project
PEMS = predictive emission monitoring system
PID = photo ionization detector
PM = periodic monitoring
PM = total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
$PM_{2.5}$ = particulate matter equal to or less than 2.5 microns in diameter
PM_{10} = total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
POC = products of combustion
ppb = parts per billion
ppm = parts per million
ppmv = parts per million (by) volume
psia = pounds (per) square inch, absolute
psig = pounds (per) square inch, gage
PTE = potential to emit
RA = relative accuracy
RATA = relative accuracy test audit
RM = reference method
RVP = Reid vapor pressure
scf = standard cubic foot or feet
scfm = standard cubic foot or feet (per) minute
SCR = selective catalytic reduction
SIL = significant impact levels
SNCR = selective non-catalytic reduction
SO_2 = sulfur dioxide
SOCMI = synthetic organic chemical manufacturing industry
SRU = sulfur recovery unit
TAC = Texas Administrative Code
TCAA = Texas Clean Air Act
TCEQ = Texas Commission on Environmental Quality
TD = Toxicology Division
TLV = threshold limit value
TMDL = total maximum daily load
tpd = tons per day
tpy = tons per year
TVP = true vapor pressure
VOC = volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VRU = vapor recovery unit or system

Special Conditions

Flexible Permit Numbers 16989 and PSDTX794

Site-wide Permit Conditions

The Following Conditions Affect Each Process Area Associated with the Port Arthur Chemicals Facility (PAC). Conditions Specific to Process Areas Follow These Site-Wide Conditions.

Emission Cap Compliance and Recordkeeping

1. This permit covers only the emission sources and emission points listed in the attached table entitled "Emission Sources, Emissions Caps, and Individual Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit only the air contaminants on that table subject to the emission rates limits, emission caps, and other conditions specified in this permit. This permit covers all process areas associated with the Port Arthur Chemicals facility (PAC) as summarized below:

   - Light Olefins Unit (LOU)
   - Aromatic Unit (AU)
   - Cyclohexane Unit (CHXU)
   - Port Neches Terminal Operations on Motiva Property (PNT)

   Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the MAERT. With the exception of devices that relieve to atmosphere only in the event of fire, any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions.

2. The holder of this permit shall provide a demonstration of compliance with the emission cap limits listed on the attached table entitled "Emission Sources, Emissions Caps, and Individual Maximum Allowable Emission Rates," and the limits of individual sources making up the emission caps as identified in Attachment D by calculating and recording aggregate air contaminant emission rates as follows:

   Emission Calculations - The permittee shall calculate air contaminant emission rates on a rolling 12-month average basis, in units of tons per year, for comparison to the air contaminants emission caps. The results of the monthly calculations will be recorded on a quarterly basis.

   The air contaminant emission rates shall be calculated and recorded using the methodology represented in the permit renewal application dated March 1, 2012 and subsequent submittals, or calculated from actual monitoring data where available. A copy of this document shall be maintained by the permit holder on-site and shall be made available to the Texas Commission on Environmental Quality (TCEQ) or other air pollution control agencies upon request.

   Actual Hourly Emission Rates (as per the Compliance Plan) Upon Request - The permittee shall calculate emissions to demonstrate compliance with the pounds-per-hour emission caps for specific individual operating hours and days upon request of personnel from the TCEQ or other air pollution control agencies.

3. The NOx Emission Limitations:

A. The permit holder shall not exceed the following nitrogen oxides (NOx) emission rate factors used as the basis for the NOx emission caps for the sources Cracking Furnaces A, B, C, D, E, F, and G (EPNs LOUBOILER1, LOUBOILER2, LOUBOILER3, LOUBOILER4, LOUBOILER5, LOUBOILER6, and LOUBOILER7), the Ethane Cracking Furnace (EPN LOUBOILER8), and Superheaters A and B (EPNs LOUBOILER9 and LOUBOILR10):

(1) 0.075 pound (lb) NO_x/MMBtu on 12-month rolling average bases; or

(2) 0.130 lb NO_x/MMBtu on an hourly basis.

For purposes of demonstrating compliance with the emission factors listed above, NO_x emission factors that occur during 9,636 hours (total hours) of decoking or hot/warm standby operations for the following: Cracking Furnaces A, B, C, D, E, F, G, the Ethane Cracking Furnace, and Superheaters A and B, shall not be included in the calculation of the emission factors. The periods of decoking and hot/warm standby shall be defined as those periods when a cracking furnace is not cracking hydrocarbons, as evidenced by closed feed valve positions. The periods of hot/warm standby for a superheater shall be defined as when it is operated at less than or equal to 30 percent of the maximum rated firing capacity as represented in the permit application. Emission factors during periods of decoke and hot/warm standby periods that exceed the total hours of 9,636 per calendar year for all furnaces and superheaters, must be included in the emission factor calculations. Periods when there is no firing at a source subject to this condition, as indicated by a closed fuel feed valve, shall not be counted towards the 9,636 hours per calendar year. This exclusion does not apply to the emission cap calculations under Special Condition No. 2 and those emissions occurring during periods of decoking or standby operation shall be included as part of the emission caps.

Compliance with the emission rate factors above will be determined based on calculations using higher heating value (HHV) for each of those combustion sources. The emission rate factors shall be calculated based on total pounds (lbs) of NO_x emitted per total heat input of all those combustion sources. Up to 5 percent invalid monitoring data on a rolling 12-month average is acceptable provided it is only generated when the monitor is broken down, out of control (producing inaccurate data), being repaired, having maintenance performed, or being calibrated. The measurements missed shall be estimated using engineering judgement and the methods used shall be recorded.

B. The NOx emission rate factors listed above correspond to the attached table titled “Emission Sources, Emissions Caps, and Individual Maximum Allowable Emission Rates.”

C. Attachment D that specifies compliance with the emission rate factors and allowable emission rate caps of this permit.

D. Once emission control technology has been installed, to meet the emission rate factors and emission rate caps, that technology cannot be removed or relaxed using technology incapable of meeting the same level of control as the technology initially installed (as an example, a Low-NOx burner once installed, cannot later be replaced with a conventional burner that provides less NOx control but must be replaced with a technology that meets or exceeds the Low-NOx burner technology).

Special Conditions for Replacement, New, and Modified Facilities

4. Use of Permit by Rules, Standard Permits, and Senate Bill (SB) 1126 Modifications

   The conditions of this permit do not limit the permittee's ability to claim and use State Permits by Rule (PBRs), standard permits, or SB 1126 modifications or other Title 30 Texas Administrative Code Chapter 116 (30 TAC Chapter 116) permit authorizations at the site in accordance with the regulations of the TCEQ. Any new facility not covered under the flexible permit cap must be authorized by 30 TAC Chapter 116 rules. Any new sources authorized by PBRs, standard permits, or SB 1126 modifications or other 30 TAC Chapter 116 permit authorizations are in addition to the emission caps and these emissions will be rolled into the flexible permit during the next permit amendment or renewal. Any increases in emissions as a result of a new facility addition must be evaluated under Federal New Source Review, Prevention of Significant Deterioration and Nonattainment.

Federal Applicability

5. Federal New Source Review: The permittee shall maintain permanent records which demonstrate that each project or operational change authorized by this flexible permit did not require a federal new source review permit. These records shall be maintained on-site and made available upon request to TCEQ personnel or to any local air pollution control program having jurisdiction. For purposes of demonstrating that nonattainment new source review is not required, the permittee shall maintain an up-to-date netting documentation for all changes to facilities and sources covered under this permit and to any new facility or source authorized by PBR, standard permit, permit amendment, or otherwise.

6. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources promulgated in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):

   A. Subpart A, General Provisions.

   B. Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984.

   C. Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.

   D. Subpart VV, Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006.

7. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on National Emission Standards for Hazardous Air Pollutants in 40 CFR Part 61:

   A. Subpart A, General Provisions.

B. Subpart J, National Emission Standards for Equipment Leaks (Fugitive Emission Sources) of Benzene.

C. Subpart V, National Emission Standards for Equipment Leaks (Fugitive Emission Sources).

D. Subpart Y, National Emission Standards for Benzene Emissions from Benzene Storage Vessels.

E. Subpart FF, National Emission Standard for Benzene Waste Operations.

8. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63:

A. Subpart A, General Provisions.

B. Subpart G, National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

C. Subpart WW, National Emission Standards for Storage Vessels (Tanks) - Control Level 2.

D. Subpart YY, National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards.

Storage and Loading of VOC

9. Storage tanks are subject to the following requirements: The control requirements specified in parts A–C of this condition shall not apply (1) where the VOC has an aggregate partial pressure of less than 0.50 psia at the maximum feed temperature or 95°F, whichever is greater, or (2) to storage tanks smaller than 25,000 gallons.

A. The tank emissions must be controlled as specified in one of the paragraphs below:

(1) An internal floating deck or “roof” shall be installed. A domed external floating roof tank is equivalent to an internal floating roof tank. The floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the floating roof: (1) a liquid-mounted seal, (2) two continuous seals mounted one above the other, or (3) a mechanical shoe seal.

(2) An open-top tank shall contain a floating roof (external floating roof tank) which uses double seal or secondary seal technology provided the primary seal consists of either a mechanical shoe seal or a liquid-mounted seal and the secondary seal is rim-mounted. A weathershield is not approvable as a secondary seal unless specifically reviewed and determined to be vapor-tight.

(3) All vents from Tanks (EPNs AUT4865, AUT4866, AUT4867, AUT4868, AUT4880) shall be routed to Regenerative Thermal Oxidizer (EPN LOUAPIVO) or API Carbon Adsorption System (EPN LOUCARBON1).

B. For any tank equipped with a floating roof, the permit holder shall perform the visual inspections and any seal gap measurements specified in Title 40 Code of Federal Regulations § 60.113b (40 CFR § 60.113b) Testing and Procedures (as amended at 54 FR 32973, Aug. 11, 1989) to verify fitting and seal integrity. Records shall be maintained of the dates inspection was performed, any measurements made, results of inspections and measurements made (including raw data), and actions taken to correct any deficiencies noted.

C. The floating roof design shall incorporate sufficient flotation to conform to the requirements of API Code 650 dated November 1, 1998 except that an internal floating cover need not be designed to meet rainfall support requirements and the materials of construction may be steel or other materials.

D. Except for labels, logos, etc. not to exceed 15 percent of the tank total surface area, uninsulated tank exterior surfaces exposed to the sun shall be white or unpainted aluminum.

E. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all storage tanks during the previous calendar month and the past consecutive 12 month period. The record shall include tank identification number, control method used, tank capacity in gallons, name of the material stored, VOC molecular weight, VOC monthly average temperature in degrees Fahrenheit, VOC vapor pressure at the monthly average material temperature in psia, VOC throughput for the previous month and year-to-date. Records of VOC monthly average temperature are not required to be kept for unheated tanks which receive liquids that are at or below ambient temperatures.

F. Emissions for tanks and loading operations shall be calculated using: (a) AP-42, 5th Edition "Compilation of Air Pollution Emission Factors, Chapter 7 - Storage of Organic Liquids" and (b) the TCEQ publication titled "Technical Guidance Package for Chemical Sources-Storage Tanks" and AP-42, Chapter 5, § 5.2, Transportation and Marketing of Petroleum Liquids.

G. All lines and connectors shall be visually inspected for any defects prior to hookup. Lines and connectors that are visibly damaged shall be removed from service. Operation without visible liquid leaks or spills shall be maintained at all loading and unloading facilities, regardless of vapor pressure. This does not apply to momentary dripping associated with the initial connection or disconnection of fittings. Operations shall cease immediately upon detection of any liquid leaking from the lines or connections. Sustained dripping from fittings during loading/unloading operations is not permitted. Any liquid spill that occurs during loading/unloading activities shall be reported pursuant to 30 TAC §§ 101.6 or 101.7, and shall be cleaned up immediately to minimize air emissions.

H. The permit holder shall maintain and update a monthly emissions record which includes calculated emissions of VOC from all loading operations over the previous rolling 12-month period. The record shall include the loading spot, control method used, quantity loaded in gallons, name of the liquid loaded, vapor molecular weight, liquid temperature in degrees Fahrenheit, liquid vapor pressure at the liquid temperature in psia, liquid throughput for the previous month and rolling 12-months to date. Records of VOC temperature are not required to be kept for liquids loaded from unheated tanks which receive liquids at or below ambient temperatures. Emissions shall be calculated using the TCEQ publication titled "Technical Guidance Package for Chemical Sources - Loading Operations."

10. Vendor-provided tanks used for storage of material including (but not limited to) Tank Nos. 94285, 97369, 97371, 97372, C13571, and C13572 are not required to comply with Special Condition No. 9.D. In addition, Tanks 33758 and 33760 are not required to comply with Special Condition No. 9.D.

Flares

11. Flares (EPNs AUFLARE-1 and LOUFLARE) and their alternative flare (EPN LOUFLARE-2) shall be designed and operated in accordance with the following requirements:

    A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity at all times when emissions may be vented to them.

    The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR § 60.18(f) may be requested by the appropriate regional office to demonstrate compliance with these requirements.

    B. The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple, infrared monitor, or ultraviolet monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with, the manufacturer's specifications.

    C. The flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. This shall be ensured by the use of steam assist to the flare.

    D. The permit holder shall install a continuous flow monitor and composition analyzer (or calorimeter, if applicable) that provide a record of the vent stream flow and composition (total VOC or Btu content) to the flare. The flow monitor sensor and analyzer sample points shall be installed in the vent stream as near as possible to the flare inlet such that the total vent stream to the flare is measured and analyzed. Readings shall be taken at least once every 15 minutes and the average hourly values of the flow and composition shall be recorded each hour.

    The monitors shall be calibrated or have a calibration check performed on an annual basis to meet the following accuracy specifications: the flow monitor shall be accurate to ±5.0% of flow for velocities greater than 1 ft/s, and accurate to +20% of flow for velocities between 0.1 and 1 ft/s; temperature monitor shall be ±2.0% at absolute temperature, and pressure monitor shall be ±5.0 mm Hg.

    Calibration of the analyzer shall follow the procedures and requirements of Section 10.0 of 40 CFR Part 60, Appendix B, Performance Specification 9, as amended through October 17, 2000 (65 FR 61744), except that the multi-point calibration procedure in Section 10.1 of Performance Specification 9 shall be performed at least once every calendar quarter instead of once every month, and the mid-level calibration check procedure in Section 10.2 of Performance Specification 9 shall be performed at least once every calendar week instead of once every 24 hours. The calibration gases used for calibration procedures shall be in

accordance with Section 7.1 of Performance Specification 9. Net heating value of the gas combusted in the flare shall be calculated according to the equation given in 40 CFR §60.18(f)(3) as amended through October 17, 2000 (65 FR 61744).

The monitors and analyzers shall operate as required by this section at least 95% of the time when the flare is operational, averaged over a rolling 12 month period. Flared gas net heating value and actual exit velocity determined in accordance with 40 CFR §§60.18(f)(3) and 60.18(f)(4) shall be recorded at least once every hour. Hourly mass emission rates shall be determined and recorded using the above readings and the emission factors used in the permit renewal application dated March 1, 2012.

Analyzer Vents

12. Process unit analyzer vent waste gas streams shall be controlled by a flare, or by an Atmospheric Reference Valve (ARV). A list of analyzer vents equipped with ARVs shall be maintained in a file at the plant site and made available at the request of TCEQ personnel or any local air pollution control program having jurisdiction.

Fuel Requirements

13. Fuel gas shall contain no more than 0.25 grain hydrogen sulfide and 5.0 grains total sulfur per 100 dry standard cubic feet. Records of the sulfur content of the fuel gas shall be maintained at the plant site and made available to representatives of the TCEQ upon request. Fuel for Superheaters A and B shall be either fuel gas or No. 2 fuel oil containing no more than 0.3 percent sulfur by weight. Blending waste oils or solvents with the fuel oil or use of any other fuel will require prior approval of the Executive Director of the TCEQ.

    The holder of this permit shall perform sampling and keep records of the sulfur content of the fuel gas fired in the units covered under this permit. Tutweiler, Draeger, or other approved methods shall be used to determine compliance with this condition. Sampling shall be conducted at the request of the TCEQ Beaumont Regional Director. Records of these requested samples shall be maintained at the plant site for five years and shall be made available at the request of TCEQ personnel and any other authorized air pollution control agency.

Stack Sampling (EPNs LOUAPIVO and LOUCARBON1)

14. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the RTO Stack (EPN LOUAPIVO) and the API Oil – Water Separator Carbon Adsorption System (CAS) Vent (EPN LOUCARBON1).

    The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at their expense. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with the appropriate EPA Reference Methods. Previous testing that meets these requirements is acceptable.

A. The TCEQ Beaumont Regional Office shall be contacted as soon as testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

(1) Date for pretest meeting.

(2) Date sampling will occur.

(3) Name of firm conducting sampling.

(4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.

(6) Procedure used to determine loads during and after the sampling period.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions, the TCEQ, or the EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Beaumont Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Beaumont Regional Office. Test waivers and alternate/equivalent procedure proposals for New Source Performance Standards (NSPS) testing which must have the EPA approval shall be submitted to the TCEQ Regional Director.

B. Air contaminants emitted from the RTO to be tested for include (but are not limited to) VOC, VOC destruction efficiency, VOC concentration in RTO exhaust (outlet concentration), and benzene. The operating firebox temperature of the RTO should be recorded during testing. Air contaminants emitted from the CAS to be tested for include (but are not limited to) VOC, VOC removal efficiency, and benzene.

C. Sampling shall occur within 60 days after initial start-up of the facilities and at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Beaumont Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires the EPA approval, and requests shall be submitted to the TCEQ Beaumont Regional Office.

D. The plant shall operate at a maximum mass VOC rate and total volumetric flow rate scenario to the RTO during stack emission testing. The primary operating parameters that are indicative of this scenario shall be monitored and recorded during the stack test. These parameters shall be determined at the pretest meeting and shall be stated in the sampling report. If the plant is unable to operate or simulate the maximum mass VOC and total volumetric flow rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher mass VOC and total volumetric flow rates are achieved.

E. Copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual.

The reports shall be distributed as follows:

One copy to the TCEQ Beaumont Regional Office.

One copy to each local air pollution control program.

Leak Detection and Repair (LDAR) Programs

15. Leak Detection and Repair Program for All Facilities Except the LOU process area - 28VHP

The following requirements apply to piping, valves, connectors, pumps, agitators, and compressors containing or in contact with fluids that could reasonably be expected to contain greater than or equal to 10 weight percent volatile organic compounds (VOC) at any time.

A. The requirements of paragraphs F and G shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 pounds per square inch, absolute (psia) at 68°F or (2) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made readily available upon request.

The exempted components may be identified by one or more of the following methods:

- piping and instrumentation diagram (PID);
- a written or electronic database or electronic file;
- color coding;
- a form of weatherproof identification; or
- designation of exempted process unit boundaries.

B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.

C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.

D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be

made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in Paragraph A above. If an unsafe to monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe to monitor times. A difficult to monitor component for which quarterly monitoring is specified may instead be monitored annually.

E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open-ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;

(1) a cap, blind flange, plug, or second valve must be installed on the line or valve;

or

(2) the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once within the 72-hour period following the creation of the open-ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.

F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. If a relief valve is equipped with rupture disc, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR part 60, appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response

factor shall be calculated for the average composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

Replacements for leaking components shall be re-monitored within 15 days of being placed back into VOC service.

G. Except as may be provided for in the special conditions of this permit, all pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

H. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump, compressor, and agitator seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. A first attempt to repair the leak must be made within 5 days and a record of the attempt shall be maintained.

I. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC 115.782 (c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shut down as calculated in accordance with 30 TAC 115.782 (c)(1)(B)(i)(I) or 500 pounds, whichever is greater, the TCEQ Regional Manager and any local programs shall be notified and the TCEQ Executive Director may require early unit shut down or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.

J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.

K. Alternative monitoring frequency schedules of 30 TAC 115.352 - 115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items F and G of this condition.

L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.

LOU Permit Conditions - The following conditions apply only to the LOU process area.

16. Leak Detection and Repair Program at the LOU: Piping, Valves, Flanges, Pumps, and Compressors in VOC Service - Intensive Directed Maintenance - 28MID

Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment.

A. The requirements of paragraphs F and G shall not apply (1) where the concentration of VOC in the stream is less than 10 percent by weight or (2) where the volatile organic compounds (VOC) has an aggregate partial pressure or vapor pressure of less than 0.044 pounds per square inch, absolute (psia) at 68°F or (3) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made available upon request.

The exempted components may be identified by one or more of the following methods:

- piping and instrumentation diagram (PID);
- a written or electronic database or electronic file;
- color coding;
- a form of weatherproof identification; or
- designation of exempted process unit boundaries.

B. Construction of new and reworked piping, valves, pump systems, agitators, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.

C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.

D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in Paragraph A above. If an unsafe to monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe to monitor times. A difficult to monitor component for which quarterly monitoring is specified may instead be monitored annually.

E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open-ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;

(1) a cap, blind flange, plug, or second valve must be installed on the line or valve; or

(2) the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once by the end of the 72 hours period following the creation of the open-ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.

F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer with a directed maintenance program. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph.

An approved gas analyzer shall conform to requirements listed in Method 21 of 40 CFR part 60, appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

A directed maintenance program shall consist of the repair and maintenance of components assisted simultaneously by the use of an approved gas analyzer such that a minimum concentration of leaking VOC is obtained for each component being maintained. A first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained. Replaced components shall be re-monitored within 15 days of being placed back into VOC service.

G. All new and replacement pumps, compressors, and agitators shall be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. These seal systems need not be monitored and may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

All other pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly.

H. Damaged or leaking valves, connectors, compressor seals, pump seals, and agitator seals found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC 115.782 (c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shutdown as calculated in accordance with 30 TAC 115.782 (c)(1)(B)(i)(I), the TCEQ

Regional Manager and any local programs shall be notified and may require early unit shutdown or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.

I. In lieu of the monitoring frequency specified in paragraph F, valves in gas and light liquid service may be monitored on a semiannual basis if the percent of valves leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.

Valves in gas and light liquid service may be monitored on an annual basis if the percent of valves leaking for two consecutive semiannual monitoring periods is less than 0.5 percent. If the percent of valves leaking for any semiannual or annual monitoring period is 0.5 percent or greater, the facility shall revert to quarterly monitoring until the facility again qualifies for the alternative monitoring schedules previously outlined in this paragraph.

J. The percent of valves leaking used in paragraph I shall be determined using the following formula:

$$(Vl + Vs) \times 100/Vt = Vp$$

Where:

Vl = the number of valves found leaking by the end of the monitoring period, either by Method 21 or sight, sound, and smell.

Vs = the number of valves for which repair has been delayed and are listed on the facility shutdown log.

Vt = the total number of valves in the facility subject to the monitoring requirements, as of the last day of the monitoring period, not including nonaccessible and unsafe-to-monitor valves.

Vp = the percentage of leaking valves for the monitoring period.

K. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.

L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard, or an applicable National Emission Standard for Hazardous Air Pollutants and does not constitute approval of alternative standards for these regulations.

Visible Emissions

17. There shall be no visible emissions for periods exceeding five minutes aggregated over any two-hour period from Cracking Furnace "H" (EPN LOUBOILR11) or the Decoking Vents (EPNs LOUVENTDD1 and LOUVENTDD2). (The first sentence of this condition is required by

PSDTX794.) Opacity of emissions from the Decoking Vents (EPNs LOUVENTDD1 and LOUVENTDD2) shall not exceed 5 percent (excluding uncombined water) averaged over a six-minute period, except for those periods described in 30 TAC § 111.111(a)(1)(e). **[PSDTX794]**

LOU Operational Parameters or Restrictions

18. Nitrogen oxides emissions from Cracking Furnace "H" (EPN LOUBOILR11) shall not exceed 0.104 lb/MMBtu, averaged daily, except during maintenance activities such as furnace decoking or that occur during periods the furnace is in warm standby**. [PSDTX794]**

LOU Emission Control and Abatement Requirement

19. Tank Nos. 33757 and 33799 shall be vented to a flare or cracking furnace firebox, which are considered as equivalent control to satisfy the requirements of Special Condition No. 11.

Initial Compliance Determination

20. Records of the initial and the most recent stack testing for the Cracking Furnace "H" (EPN LOUBOILR11) shall be kept at the site for the life of the furnace. Initial compliance determination stack testing was required in PSDTX794, issued August 29, 1991 for air contaminants emitted from Cracking Furnace "H" (EPN LOUBOILR11) including (but was not limited to) NOx, carbon monoxide (CO), and particulate matter less than 10 microns. Records of the initial stack testing and the most recent stack testing shall be made available to representatives of the TCEQ, the EPA, and any other authorized regulatory agency upon request. **[PSDTX794]**

21. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the Ethane Furnace (EPN LOUBOILER8) by February 1, 2003. The results of this testing will be used to represent the ethane furnaces contribution to the emissions caps in lieu of continuous emissions monitoring system (CEMS) data.

    The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with the appropriate EPA Reference Methods.

    A. The TCEQ Beaumont Regional Office shall be contacted as soon as testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting.

        The notice shall include:

        (1) Date for pretest meeting.

        (2) Date sampling will occur.

        (3) Name of firm conducting sampling.

(4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.

(6) Procedure used to determine loads during and after the sampling period.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions, the TCEQ, or the EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Beaumont Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Beaumont Regional Office. Test waivers and alternate/equivalent procedure proposals for NSPS testing which must have the EPA approval shall be submitted to the TCEQ Regional.

B. Air contaminants emitted from the ethane furnace to be tested for include (but are not limited to) NOx, CO, and percent oxygen (O_2).

C. Sampling shall occur by February 1, 2003 and at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Beaumont Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires the EPA approval, and requests shall be submitted to the TCEQ Beaumont Regional Office.

D. The plant shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters shall be determined at the pretest meeting and shall be stated in the sampling report. If the plant is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.

E. Copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the TCEQ Beaumont Regional Office.

One copy to each local air pollution control program.

F. Stack testing on the ethane furnace will be required every five years after the initial compliance test.

Continuous Compliance Determination

22. The holder of this permit shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentration of NOx, CO, and O_2 from the main stack of Cracking Furnace “H” (EPN LOUBOILR11). **[PSDTX794]**

23. The holder of this permit shall install, calibrate, and maintain a CEMS to measure and record the in-stack concentrations of NOx, CO, and either O_2 or carbon dioxide emissions from each of the Combustion Sources (EPNs LOUBOILER1, LOUBOILER2, LOUBOILER3, LOUBOILER4, LOUBOILER5, LOUBOILER6, LOUBOILER7, LOUBOILER9, LOUBOILR10, and LOUBOILR11. The monitoring system shall meet the special conditions on requirements for CEMS as applicable.

Requirements for CEMS

24. The CEMS shall meet the following requirements:

A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 1 through 9, Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60), Appendix B. If there are no applicable performance specifications in 40 CFR Part 60, Appendix B, contact the TCEQ Office of Air, Air Permits Division for requirements to be met.

B. Section 1 below applies to sources subject to the quality-assurance requirements of 40 CFR Part 60, Appendix F; section 2 applies to all other sources:

(1) The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, Section 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.

(2) The system shall be zeroed and spanned daily, and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in the applicable Performance Specification Nos. 1 through 9, 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days.

Each monitor shall be quality-assured at least quarterly using Cylinder Gas Audits (CGA) in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, with the following exception: a relative accuracy test audit (RATA) is not required once every four quarters (i.e., four successive quarterly CGA may be conducted). An equivalent quality-assurance method approved by the TCEQ may also be used. Successive quarterly audits shall occur no closer than two months.

All CGA exceedances of +15 percent accuracy indicate that the CEMS is out of control.

C. The monitoring data shall be reduced to hourly average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to units of the permit allowable emission rate in pounds per hour and lb/MMBtu at least once every week.

D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.

E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.

F. Quality-assured (or valid) data must be generated when the Cracking Furnaces A through H (EPNs LOUBOILER1 through 7 and LOUBOILR11), and Superheaters A and B (EPNs LOUBOILER9 and LOUBOILR10) are operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the Cracking Furnaces A through H (EPNs LOUBOILER1 through 7 and LOUBOILR11), and Superheaters A and B (EPNs LOUBOILER9 and LOUBOILR10) operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager.

Requirements for RTO (EPN LOUAPIVO)

25. RTO (EPN LOUAPIVO) shall be designed and operated in accordance with the following requirements:

A. The regenerative thermal oxidizer (EPN LOUAPIVO) shall maintain the VOC concentration in the exhaust gas less than 20 ppmv on a dry basis, corrected to 3 percent oxygen, or achieve a VOC destruction efficiency greater than 99.5 percent.

B. The regenerative thermal oxidizer firebox exit temperature shall be maintained at not less than 1500 °F on a six-minute average while waste gas is being fed into the oxidizer prior to initial stack testing. After the initial stack test has been completed, the six minute average temperature shall be equal to, or greater than the respective hourly average maintained during the most recent satisfactory stack testing required by Special Condition No. 14.

C. The regenerative thermal oxidizer exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the oxidizer. The temperature measurement device shall reduce the temperature readings to an averaging period of 6 minutes or less and record it at that frequency. The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device shall have an accuracy of the greater of ±0.75 percent of the temperature being measured expressed in degrees Celsius or ±2.5ºC. Compliance with the accuracy requirements in this paragraph shall be achieved within 180 days of the issuance date of this permit.

Quality assured (or valid) data must be generated when the regenerative thermal oxidizer is operating. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the

regenerative thermal oxidizer operated over the previous rolling 12 month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

Requirements for CAS (EPN LOUCARBON1)

26. During downtime of the RTO (EPN LOUAPIVO), air emissions from all streams normally routed to the RTO shall be controlled by a CAS consisting of at least two activated carbon canisters connected in series that vent at a common point, EPN LOUCARBON1.

    A. The CAS shall be sampled and recorded daily to determine breakthrough of VOC. The sampling point shall be at the outlet of the initial canister but before the inlet to the second or final polishing canister. Sampling shall be done during operating conditions that reflect maximum emission venting to the CAS.

    B. The method of VOC sampling and analysis shall be by photo ionization detector (PID) or a TCEQ-approved equivalent. Sampling and analysis for VOC breakthrough shall be performed as follows:

        (1) No more than 4 hours prior to performing sampling, the instrument/PID shall be calibrated with zero and span calibration gas mixtures. Zero gas shall be certified to contain less than 0.1 ppmv total hydrocarbons. Span calibration gas shall be isobutylene at a concentration within ± 10 percent of 100 ppmv, and certified by the manufacturer to be ± 2 percent accurate. Calibration error for the zero and span calibration gas checks must be less than ± 5 percent of the span calibration gas value before sampling may be conducted. **(11/20)**

        (2) The sampling point shall be at the outlet of the initial canister but before the inlet to the second or final polishing canister. Sample ports or connections must be designed such that air leakage into the sample port does not occur during sampling.

        (3) During sampling, data recording shall not begin until after two times the instrument response time. The VOC concentration shall be monitored for at least 5 minutes, and readings shall be recorded at least once per minute.

    C. Breakthrough shall be defined as the highest 1-minute average measured VOC concentration at or exceeding 100 ppmv. When the condition of breakthrough of VOC from the initial saturation carbon bed occurs, the waste gas flow shall be switched to an alternate set of carbon beds within three hours. Sufficient spare activated carbon beds shall be maintained at the site to replace spent carbon beds such that replacements can be done in the above specified time frame.

    D. Records of the CAS monitoring maintained at the plant site shall include (but are not limited to) the following:

        (1) Sample time and date.

        (2) Monitoring results (ppmv).

        (3) Corrective action taken including the time and date of that action.

(4) Process operations occurring at the time of sampling.

These records shall be made available to representatives of the TCEQ and local programs upon request and shall be retained for at least five years following the date that the data is obtained.

E. The holder of this permit may request a change in frequency of breakthrough sampling after completing at least one year of sampling as specified above. The request shall include a copy of the CAS monitoring records specified in Paragraph D of this condition and shall be submitted to the TCEQ Beaumont Regional Office for review and response. The permit holder may not change the sampling frequency until written approval is received from the TCEQ Regional Director.

Cooling Tower and Heat Exchanger Systems

27. Inspection ports shall be provided on all LOU Cooling Tower (EPN LOUCOOLTWR) fan stacks, and the inspection ports shall be suitable for introduction of a probe attached to a portable VOC analyzer.

28. The holder of this permit shall perform sampling and make repairs as necessary to demonstrate ongoing compliance with the emission limits for the Cooling Tower (EPN LOUCOOLTWR). The results of all monitoring, maintenance, and repair efforts affecting the cooling tower and heat exchanger system(s) shall be recorded and such records shall be maintained for a period of five years. The records shall be made available to TCEQ personnel or other air pollution control agency upon request.

This permit does not authorize any emission rates from the cooling tower and heat exchanger system(s) other than those listed on the attached table entitled “Emission Sources, Emissions Caps, and Individual Emission Limitations.” Emissions from repairs and delay of repair are not authorized for emission rates in excess of those listed on the attached table entitled “Emission Sources, Emissions Caps, and Individual Emission Limitations.”

A. Monitoring and Detection Limits: The VOC emissions associated with cooling tower water shall be monitored weekly with an approved method. The sampling method shall be the air stripping method known as the “El Paso” method, which is described in the TCEQ Publication: “Air Quality Permit Technical Guidance for Chemical Sources: Cooling Towers, TCEQ Publication No. RG-108, May 1997 (Revised).” The sample port for the water returning to the cooling tower shall be located on the top of the horizontal section of the water line returning to the cooling tower.

The minimum detection level of the overall testing system shall be 0.030 part per million by weight (ppmw) or 30 parts per billion by weight (ppbw) VOC (concentration VOC in water entering the cooling tower). The minimum detection limit for the air stripped VOC shall be 0.500 ppmv (concentration VOC in the stripping air). Calibration standards shall include at least zero ppmv and 10 ppmv VOC in air (as methane). The concentration of VOC in the stripped air may also be determined by the EPA Methods TO14 and TO15. The testing, analysis, and recordkeeping shall include the air contaminant speciation, physical characteristics, and instrumentation response factors used to convert from the air contaminant concentration in the stripping air (ppmv) to air contaminant concentration in the cooling water (ppmw).

If the El Paso method is used to determine the concentration of strippable VOC in the water returning to the cooling tower and the water returning to the process, the net concentration of strippable VOC in the water shall be used to determine emissions from the cooling tower (this concentration is the difference between the concentration of VOC in the water returning from the process and the water supplied to the process). If the El Paso method is used to determine the concentration of strippable VOC in the water returning to the cooling tower without sampling the water returning to the process, the concentration of VOC in the water supplied to the process shall be taken as zero.

Alternate methods may be approved by the TCEQ Regional Office.

B. Action Level: The action level shall be a net concentration of strippable VOC in the water returning to the cooling tower of 0.100 ppmw or 100 ppbw. If the action level is exceeded and cooling tower emissions are less than the maximum allowed by the attached table entitled "Emission Sources, Emissions Caps and Individual Emission Limitations," the permittee shall comply with the repair requirements of paragraph C below, except as provided in paragraph D.

C. Repair: If the concentration of VOC in the water exceeds the action level as defined by paragraph B, and cooling tower emissions are less than the maximum allowed by the attached table entitled "Emission Sources, Emissions Caps and Individual Emission Limitations," then the cooling tower and heat exchanger system shall be repaired so that the concentration of VOC is reduced to below the action level. The repairs shall be made as soon as practical but not later than 45 calendar days after the permittee receives results of the monitoring tests indicating an exceedance of the action level, unless the permittee demonstrates that the results are due to a condition other than a leak.

D. Delay of Repair: For the purposes of this permit condition, delay of repair means not performing the repairs within 45 calendar days after the owner or operator receives results of monitoring tests indicating a concentration of VOC in the water exceeding the action level described in paragraph B. The permit holder may delay repair as provided for in paragraphs (1) through (5) below. Records of a decision to delay repair shall state the reasons repair was delayed and shall provide details to demonstrate compliance with paragraphs (1) through (5) below. Records shall be maintained on-site for at least five years and shall be provided to the TCEQ or other air pollution agencies upon request.

(1) Delay of repair of heat exchange systems for which leaks have been detected is allowed if the leaking equipment is isolated from the cooling tower system.

(2) Delay of repair of heat exchange systems for which leaks have been detected is allowed if the pressure of the cooling water throughout the leaking exchanger is increased to a pressure greater than the process side of the exchanger, thus reversing the direction of the leak.

(3) Delay of repair may be allowed if repair is technically infeasible without a total unit shutdown or a partial unit shutdown and a shutdown is expected within the next two months.

(4) Delay of repair may be allowed for up to 120 calendar days if necessary parts are not available.

(5) Delay of repair may be allowed if repair is technically infeasible without a shutdown and the shutdown would cause greater emissions than the potential emissions from delaying repair. The permit holder may delay repair until the next shutdown of the process equipment associated with the leaking heat exchanger.

29. In addition to the sampling required in Special Condition No. 28, sampling using the EPA Methods TO14 and/or TO15 is required to speciate the VOC emissions from the air stripping apparatus only in the event of a VOC concentration in the water greater than 0.030 ppmw or 30 ppbw measured in accordance with Special Condition No. 28.A.

30. In addition to the requirements of the Special Condition No. 28 on Cooling Tower and Heat Exchanger System in VOC Service, the permit holder is also required to monitor for benzene in the cooling water. The concentration of benzene in the cooling water shall be monitored daily with EPA Method 8260 or the previously approved Huntsman lab method, at a minimum detection limit of 0.010 ppmw or 10 ppbw (concentration of benzene in the water). Alternate methods may be approved by the TCEQ Compliance Support Division in Austin. The action level for benzene shall be a concentration of benzene in the cooling water of 0.050 ppmw or 50 ppbw. If the concentration of benzene in the cooling water is greater than or equal to the action level, the permittee shall comply with the repair requirements of paragraph C, except as provided in paragraph D, of the Special Condition No. 28 regarding Cooling Tower and Heat Exchanger System in VOC Service.

31. Emission Reduction Credits (VOC reductions) associated with the LOU Cooling Tower cannot be banked, used as offsets, or used in netting calculations.

CHXU Permit Conditions - The Following Conditions Apply Only to the CHXU Process Area

32. Reserved.

33. Reserved.

PNT Operations Permit Conditions - The Following Conditions Apply Only to the PNT Process Area

34. Reserved.

Recordkeeping Requirements

35. The permit holder shall keep the following records for five years, as applicable:

A. Air contaminant emission rate records required by Special Condition 2.

B. NOx emission rate factor calculations required by Special Condition 3.

C. Records required by 40 CFR 60, Subparts A, Ka, and Kb in Special Condition 6.

D. Records required by 40 CFR 61, Subparts A, J, V, Y, and FF in Special Condition 7.

E. Records required by 40 CFR 63, Subparts A, G, WW, and YY in Special Condition 8.

F. Seal inspection records, monthly VOC emissions from all storage tanks and loading operations required by Special Condition 9.

G. List of analyzer vents equipped with ARVs required by Special Condition 12.

H. Records of fuel gas sulfur content required by Special Condition 13.

I. Fugitive monitoring records required by Special Conditions 15 and 16.

J. Stack testing records required by Special Condition 20.

K. CEMS records required by Special Conditions 22, 23, and 24.

L. RTO firebox temperature records required by Special Condition 25.

M. CAS monitoring records required by Special Condition 26.

N. Cooling tower sampling records required by Special Conditions 28, 29, and 30.

O. MSS activity and emission records required by Special Conditions 36 through 52.

Maintenance, Startup, and Shutdown (MSS)

36. This permit authorizes emissions from the following temporary facilities used to support planned MSS activities at permanent site facilities: frac tanks, containers, vacuum trucks, facilities used for painting or abrasive blasting, portable control devices identified in Special Condition 46, ancillary equipment such as fugitives, consumables and controlled recovery systems. Emissions from temporary facilities are authorized provided the temporary facility: (a) does not remain on the plant site in the same service for more than 12 consecutive months, (b) is used solely to support planned MSS activities at the permanent site facilities, and (c) does not operate as a replacement for an existing authorized facility. This permit also authorizes emissions for the planned maintenance, startup, and shutdown (planned MSS) activities summarized in Attachment C, "Planned MSS Activity Summary."

    Attachment A identifies inherently low emitting planned MSS activities that may be performed at the Motiva Port Arthur Chemical Plant. Emissions from activities identified in Attachment A shall be considered to be equal to the potential to emit represented in the permit application. The estimated emissions from the activities listed in Attachment A must be revalidated annually. This revalidation shall consist of the estimated emissions for each type of activity and the basis for that emission estimate.

    Attachment B identifies routine planned MSS activities that may be performed at the Motiva Port Arthur Chemical Plant. Emissions from activities identified in Attachment B may be tracked through work orders or equivalent. Emissions from activities identified in Attachment B shall be estimated using the number of work orders or equivalent for each calendar month and the emissions associated with that activity as identified in the permit application.

Unless otherwise prescribed in this permit, the performance of each planned MSS activity not identified in Attachments A or B, and the associated emissions, shall be recorded and include at least the following information:

A. the physical location at which emissions from the planned MSS activity occurred, including the emission point number and common name for the point at which the emissions were released into the atmosphere;

B. the type of planned MSS activity and the reason for the planned MSS activity;

C. the common name and the facility identification number, if applicable, of the facilities at which the planned MSS activity and emissions occurred;

D. the start date and time of the planned MSS activity and its duration;

E. the estimated quantity of each air contaminant, or mixture of air contaminants, emitted with the data and methods used to determine it. The emissions shall be estimated using the methods identified in the permit application, consistent with good engineering practice.

Streams routed to the flare gas recovery system are not to be included as MSS activity because those gases become part of fuel gas.

Emissions from all completed planned MSS activities shall be summed for each calendar month, and the rolling 12-month emissions shall be updated, by the end of the next calendar month.

37. Process units and facilities, with the exception of those identified in Special Conditions 40, 41, 42, and 43 and Attachment A shall be depressurized, emptied, degassed, and placed in service in accordance with the following requirements.

A. Process equipment that contains material with a VOC partial pressure greater than or equal to 0.50 psi at either the normal process temperature or 95°F shall be depressurized to a control device or a controlled recovery system prior to venting to atmosphere, degassing, or draining liquid.

B. If mixed phase materials must be removed from process equipment, the cleared material shall be routed to a knockout drum or equivalent to allow for managed initial phase separation. If the VOC partial pressure is greater than 0.50 psi at either the normal process temperature or 95°F, any vents in the system shall be routed to a control device or a controlled recovery system. Control shall remain in place until degassing has been completed or the system is no longer vented to atmosphere.

C. All liquids from process equipment or storage vessels shall be removed to the maximum extent practical prior to opening equipment to commence degassing and/or maintenance. Liquids with a VOC partial pressure greater than or equal to 0.50 psi at either the normal process temperature or 95°F shall be drained into a closed vessel unless prevented by the physical configuration of the equipment. If it is necessary to drain liquid into an open pan or sump, the liquid shall be covered or transferred to a covered vessel within one hour of being drained. After draining is complete, empty open pans may remain in use for housekeeping reasons to collect incidental drips.

D. If the VOC partial pressure is greater than or equal to 0.50 psi at either the normal process temperature or 95°F, facilities shall be degassed using good engineering practice to ensure air contaminants are removed from the system through the control device or controlled recovery system to the extent allowed by process equipment or storage vessel design. The control device or recovery system utilized shall be recorded with the estimated emissions from controlled and uncontrolled degassing calculated using the methods that were used to determine allowable emissions for the permit application.

(1) For MSS activities identified in Attachment B, the following option may be used in lieu of (2) below. The facilities being prepared for maintenance shall not be vented directly to atmosphere, except as necessary to verify an acceptable VOC concentration and establish isolation of the work area, until the VOC concentration has been verified to be less than 10 percent of the lower explosive limit (LEL) per the site safety procedures.

(2) The locations and/or identifiers where the purge gas or steam enters the process equipment or storage vessel and the exit points for the exhaust gases shall be recorded. If the process equipment is purged with a gas, two system volumes of purge gas must have passed through the control device or controlled recovery system before the vent stream may be sampled to verify acceptable VOC concentration prior to uncontrolled venting. The VOC sampling and analysis shall be performed using an instrument meeting the requirements of Special Condition 38. The sampling point shall be upstream of the inlet to the control device or controlled recovery system. The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged. The facilities shall be degassed to a control device or controlled recovery system until the VOC concentration is less than 10,000 ppmv or 10 percent of the lower explosive limit (LEL).

E. Gases and vapors (including vapors from residual liquids) with VOC partial pressure greater than 0.50 psi at either the normal process temperature or 95°F may be vented directly to atmosphere if all the following criteria are met:

(1) It is not technically practicable to depressurize or degas, as applicable, into the process.

(2) There is not an available connection to a plant control system (flare).

(3) There is no more than 50 pounds of air contaminants to be vented to atmosphere during shutdown or startup, as applicable.

Except when identified for an activity on Attachment A, all instances of venting directly to atmosphere per Special Condition 37.E must be documented when occurring as part of any MSS activity. The emissions associated with venting without control must be included in the work order or equivalent for those planned MSS activities identified in Attachment B.

38. Air contaminant concentration shall be measured using an instrument/detector meeting one set of requirements specified below.

A. VOC concentration shall be measured using an instrument meeting all the requirements specified in EPA Method 21 (40 CFR 60, Appendix A) with the following exceptions:

(1) The instrument shall be calibrated within 24 hours of use with a calibration gas such that the response factor of the VOC (or mixture of VOCs) to be monitored shall be less than 2.0. The calibration gas and the gas to be measured, and its approximate response factor shall be recorded.

(2) Sampling shall be performed as directed by this permit in lieu of section 8.3 of Method 21. During sampling, data recording shall not begin until after two times the instrument response time. The date and time shall be recorded, and VOC concentration shall be monitored for at least 5 minutes, and the highest stable measured VOC concentration shall be recorded.

(3) If a TVA-1000 series FID analyzer calibrated with methane is used to determine the VOC concentration, a measured concentration of 34,000 ppmv may be considered equivalent to 10,000 ppmv as VOC.

B. Colorimetric gas detector tubes may be used to determine air contaminant concentrations if they are used in accordance with the following requirements.

(1) The air contaminant concentration measured is less than 80 percent of the range of the tube. If the maximum range of the tube is greater than the release concentration defined in subsection (3), the concentration measured is at least 20 percent of the maximum range of the tube.

(2) The tube is used in accordance with the manufacturer's guidelines.

(3) Prior to uncontrolled venting, at least 2 samples taken at least 5 minutes apart must demonstrate a measured contaminant concentration (ppmv) less than the release concentration; Where the release concentration is (10,000)*(mole fraction of the total air contaminants present that can be detected by the tube).

The mole fraction may be estimated based on process knowledge. The release concentration and basis for its determination shall be recorded.

Records shall be maintained of the tube type, range, measured concentrations, and time the samples were taken.

C. Lower explosive limit measured with a lower explosive limit detector.

(1) The detector shall be calibrated monthly with a certified pentane gas standard at 25 percent of the lower explosive limit (LEL) for pentane. Records of the calibration date/time and calibration result (pass/fail) shall be maintained.

(2) A daily functionality test shall be performed on each detector using the same certified gas standard used for calibration. The LEL monitor shall read no lower than 90 percent of the calibration gas certified value. Records, including the date/time and test results, shall be maintained.

(3) A certified methane gas standard equivalent to 25 percent of the LEL for pentane may be used for calibration and functionality tests provided that the LEL response is within 95 percent of that for pentane.

39. Reserved.

40. This permit authorizes emissions from the VOC storage tanks during planned floating roof landings. Tank roofs may only be landed for changes of tank service or tank inspection/maintenance as identified in the permit application, except when the VOC vapors below the floating roof are routed to a control device or a controlled recovery system from the time the floating roof is landed until the floating roof is within 10% by volume of being refloated. This exception will not apply to tank convenience landings and such landings are not represented in the permit application. Emissions from change of service tank landings shall not exceed 10 tons of VOC in any rolling 12 month period. Tank roof landings include all operations when the tank floating roof is on its supporting legs. These emissions are subject to the maximum allowable emission rates indicated on the MAERT. The following requirements apply to tank roof landings:

A. The tank liquid level shall be continuously lowered after the tank floating roof initially lands on its supporting legs until the tank has been drained to the maximum extent practicable without entering the tank. Liquid level may be maintained steady for a period of up to two hours if necessary to allow for valve lineups and pump changes necessary to drain the tank. This requirement does not apply where the vapor under a floating roof is routed to control or a controlled recovery system during this process.

B. If the VOC partial pressure of the liquid previously stored in the tank is greater than 0.50 psi at either the normal process temperature or 95°F, tank refilling or degassing of the vapor space under the landed floating roof must begin within 24 hours after the tank has been drained unless the vapor under the floating roof is routed to control or a controlled recovery system during this period. Floating roof tanks with liquid capacities less than 100,000 gallons may be degassed without control if the VOC partial pressure of the standing liquid in the tank has been reduced to less than 0.02 psia prior to ventilating the tank. Controlled degassing of the vapor space under landed roofs shall be completed as follows:

(1) Any gas or vapor removed from the vapor space under the floating roof must be routed to a control device or a controlled recovery system and controlled degassing must be maintained until the VOC concentration before the inlet to the control device or controlled recovery system is less than 10,000 ppmv or 10 percent of the LEL. The locations and identifiers of vents other than permanent roof fittings and seals, control device or controlled recovery system, and controlled exhaust stream shall be recorded. There shall be no other gas/vapor flow out of the vapor space under the floating roof when degassing to the control device or controlled recovery system.

(2) The vapor space under the floating roof shall be vented using good engineering practice to ensure VOC vapors are flushed out of the tank through the control device or controlled recovery system to the extent allowed by the storage tank design.

(3) A volume of purge gas equivalent to twice the volume of the vapor space under the floating roof shall be passed through the control device or into a controlled recovery system, before the vent stream may be sampled to verify acceptable VOC concentration. The measurement of purge gas volume shall not include any make-

up air introduced into the control device or recovery system. The VOC sampling and analysis shall be performed as specified in Special Condition 38.

(4) The sample ports and the collection system must be designed and operated such that there is no air leakage into the sample probe or the collection system downstream of the process equipment or vessel being purged.

(5) Degassing must be performed every 24 hours unless there is no standing liquid in the tank or the VOC partial pressure of the remaining liquid in the tank is less than 0.15 psia.

C. The tank shall not be opened except as necessary to set up for degassing and cleaning, or ventilated without control, until either there is no standing VOC liquid in the tank or the liquid in the tank has a VOC partial pressure less than 0.02 psia. These criteria may be demonstrated in any one of the following ways.

(1) Low VOC partial pressure liquid that is soluble with the liquid previously stored may be added to the tank to lower the VOC partial pressure of the liquid mixture remaining in the tank to less than 0.02 psia. This liquid shall be added during tank degassing if practicable. The estimated volume of liquid remaining in the drained tank and the volume and type of liquid added shall be recorded. The liquid VOC partial pressure may be estimated based on this information and engineering calculations.

(2) If water is added or sprayed into the tank to remove standing VOC, one of the following must be demonstrated:

a. Take a representative sample of the liquid remaining in the tank and verify no visible sheen using the static sheen test from 40 CFR 435 Subpart A Appendix 1.

b. Take a representative sample of the liquid remaining in the tank and verify hexane soluble VOC concentration is less than 10,000 ppmw using EPA method 1664 (may also use 8260B or 5030 with 8015 from SW-846).

c. Stop ventilation and close the tank for at least 24 hours. When the tank manway is opened after this period, verify VOC concentration is less than 10,000 ppmv through the procedure in Special Condition 38.

(3) No standing liquid; verified through visual inspection.

Records shall be maintained to document the method used to release the tank under Special Condition 40.C.

D. Following a planned MSS-related floating roof landing, tanks shall be refilled in accordance with the following requirements, unless the vapor space below the floating roof is routed to a control device or a controlled recovery system when the tank is refilled until the floating roof is within 10% by volume of being refloated. The control device or controlled recovery system used and the method and locations used to connect the control device or controlled recovery system shall be recorded. All vents from the tank being refilled shall exit through the control device.

(1) The tank shall be refilled as rapidly as practicable until the floating roof is off its legs.

(2) Only one tank with a landed floating roof can be filled at any time at a rate not to exceed 10,000 bbl/hr.

E. The occurrence of each floating roof landing shall be recorded, and emissions calculated. These records shall include at least the following information:

(1) the identification of the tank and emission point number, and any control devices or recovery systems used to reduce emissions;

(2) the reason for the tank roof landing;

(3) for the purpose of estimating emissions, the date, time, and other information specified for each of the following events:

a. the floating roof was initially landed,

b. all liquid was pumped from the tank to the extent practical,

c. start and completion of controlled degassing, and total volumetric flow,

d. all standing liquid was removed from the tank or any transfers of low VOC partial pressure liquid to or from the tank including volumes and vapor pressures to reduce tank liquid VOC partial pressure to <0.02 psi,

e. if there is liquid in the tank, VOC partial pressure of liquid, start and completion of uncontrolled degassing, and total volumetric flow,

f. refilling commenced, liquid filling the tank, and the volume necessary to float the roof; and

g. tank roof off supporting legs, floating on liquid.

(4) the estimated quantity of each air contaminant, or mixture of air contaminants, emitted between events (3) (c) - (g) with the data and methods used to determine it. The emissions associated with floating roof landing activities shall be calculated using the methods described in Section 7.1.3.2 of AP 42 "Compilation of Air Pollution Emission Factors, Chapter 7 - Storage of Organic Liquids" dated November 2006 and the permit application.

41. While being degassed, fixed roof tanks shall not be ventilated without control, until either all standing liquid has been removed from the tank or the liquid in the tank has a VOC partial pressure less than 0.02 psia. This shall be verified and documented through one of the criteria identified in Special Condition 40.C. Fixed roof tanks' manways may be opened without emission controls when there is standing liquid with a VOC partial pressure greater than 0.02 psi vapor as necessary to set up for degassing and cleaning. One manway may be opened to allow access to the tank to remove or de-volatilize the remaining liquid. The emission control system shall meet the requirements of Special Condition 40.B.(1) through 40.B.(5) and records maintained per Special Condition 40.E.(3).c through 40.E.(3).e, and 40.E.(4). Low vapor pressure liquid may be added to

and removed from the tank as necessary to lower the vapor pressure of the liquid mixture remaining in the tank to less than 0.02 psia.

42. The following requirements apply to vacuum and air mover truck operations to support planned MSS at this site:

A. Vacuum pumps and blowers shall not be operated on trucks containing or while collecting liquids with a VOC partial pressure greater than or equal to 0.50 psi at either the normal process temperature or 95°F unless the vacuum/blower exhaust is routed to a control device or a controlled recovery system.

B. The fill line intake shall be equipped with a “duckbill” or equivalent attachment if the hose end cannot be submerged in the liquid being collected.

C. A daily record containing the information identified below is required for each vacuum truck in operation at the site each day.

(1) Prior to initial use, identify any liquid in the truck. Record the liquid level and document that the VOC partial pressure is less than 0.50 psi at either the normal process temperature or 95°F if the vacuum/blower exhaust is not routed to a control device or a controlled recovery system. After each liquid collection, identify the liquid collected and document that the VOC partial pressure is less than 0.50 psi at either the normal process temperature or 95°F if the vacuum exhaust is not routed to a control device or a controlled recovery system.

(2) For each liquid collection made with the vacuum operating, record the duration of any periods when air may have been entrained with the liquid collected. The reason for operating in this manner and whether a “duckbill” or equivalent was used shall be recorded. Short, incidental periods, such as those necessary to walk from the truck to the fill line intake, do not need to be documented.

(3) If the vacuum/blower exhaust is controlled with a control device other than an engine or oxidizer, VOC exhaust concentration upon commencing each collection, at the end of each collection, and at least every hour during each collection, measured using an instrument meeting the requirements of Special Condition 38.

(4) The volume in the vacuum truck at the end of the day, or the volume unloaded, as applicable.

D. The permit holder shall determine the vacuum truck emissions each month using the daily vacuum truck records and the calculation methods utilized in the permit application. If records of the volume of liquid collected for each pick-up are not maintained, the emissions shall be determined using the physical properties of the liquid collected with the greatest potential emissions. Rolling 12 month vacuum truck emissions shall also be determined on a monthly basis.

E. If the VOC partial pressure of all the liquids collected into the truck is less than 0.10 psi, this shall be recorded when the truck is unloaded or leaves the plant site and the emissions may be estimated as the maximum potential to emit for a truck in that service as documented in the permit application. The recordkeeping requirements in Special Condition 42.A through 42.D do not apply to this subsection.

43. The following requirements apply to frac tanks, temporary, tanks and vessels used in support of MSS activities:

    A. The exterior surfaces of these tanks/vessels that are exposed to the sun shall be white or aluminum effective January 1, 2014, except for labels, logos, etc. not to exceed 15% of the exterior surface area. This requirement does not apply to tanks/vessels that only vent to atmosphere when being filled.

    B. Except for tanks/vessels/containers that are manually filled, these tanks/vessels must be covered and equipped with fill pipes that discharge within 6 inches of the tank/vessel bottom.

    C. These requirements do not apply to vessels storing less than 250 gallons of liquid that are closed such that the vessel does not vent to atmosphere.

    D. The permit holder shall maintain an emissions record which includes calculated emissions of VOC from all frac tanks during the previous calendar month and the past consecutive 12 month period. The record shall include tank identification number, dates put into and removed from service, control method used, tank capacity and volume of liquid stored in gallons, name of the material stored, VOC molecular weight, and VOC partial pressure at the estimated monthly average material temperature in psia. Filling emissions for tanks shall be calculated using the TCEQ publication titled “Technical Guidance Package for Chemical Sources - Loading Operations” and standing emissions determined using: the TCEQ publication titled “Technical Guidance Package for Chemical Sources - Storage Tanks.”

    E. If the tank/vessel is used to store liquid with VOC partial pressure less than 0.50 psi at either the normal process temperature or 95°F, records may be limited to the days the tank is in service and the liquid stored. Emissions may be estimated based upon the potential to emit as identified in the permit application.

44. Additional occurrences of MSS activities represented in the permit application may be authorized under Permit by Rule only if the procedures, emission controls, monitoring, and recordkeeping are the same as those required by this permit.

45. All permanent facilities must comply with all operating requirements, limits, and representations in the permits identified in the MAERT during planned startup and shutdown unless alternate requirements and limits are identified in this permit or approved by TCEQ. Alternate requirements for emissions from routine emission points are identified below.

    A. Combustion units, with the exception of flares, at this site are exempt from NOx and CO operating requirements identified in special conditions in other NSR permits during planned startup and shutdown if the following criteria are satisfied:

        (1) The maximum allowable emission rates in the permit authorizing the facility are not exceeded.

        (2) The startup period does not exceed 8 hours in duration and the firing rate does not exceed 75 percent of the design firing rate. The time it takes to complete the shutdown does not exceed 4 hours.

        (3) Control devices are started and operating properly when venting a waste gas stream.

B. During periods of startup and shutdown of the combustion units, the CO emissions are not required to comply with 30 TAC 117.310(c)(1)(A), 400 ppmv at 3% O_2 on a rolling 24-hour average basis. A CO continuous emission monitor must be properly operated and maintained. The CO can average 1500 ppmv at 3% O2 for a period of 1 hour and 1000 ppmv for a 24-hour rolling average. Activities include refractory curing which has a duration of up to 72 hours and may utilize temporary vents.

C. A record shall be maintained indicating the start and end times each of the activities identified in 45.A. and 45.B. above occur and that the requirements for each have been satisfied.

46. Control devices required by this permit for emissions from planned MSS activities are limited to those types identified in this condition. Control devices shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. Each device used must meet all the requirements identified for that type of control device.

Controlled recovery systems identified in this permit shall be directed to an operating process or to a collection system that is vented through a control device meeting the requirements of this permit condition.

A. Carbon Adsorption System (CAS).

(1) The CAS shall consist of 2 carbon canisters in series with adequate carbon supply for the emission control operation.

(2) The CAS shall be sampled downstream on the first canister and the concentration recorded at least once every hour of CAS run time to determine breakthrough of the VOC. The sampling frequency may be extended to up to 30 percent of the minimum potential saturation time for a new canister of carbon. The permit holder shall maintain records including the calculations performed to determine the minimum saturation time.

The permit holder may elect to extend the carbon sampling frequency to longer periods based on previous experience with carbon control of a MSS waste gas stream. The past experience must be with the same VOC, type of facility, and MSS activity. The basis for the sampling frequency shall be recorded. If the VOC concentration of the initial sample downstream of the first carbon canister following a new polishing canister being put in place is greater than 100 ppmv above background, it shall be assumed that breakthrough occurred while that canister functioned as the final polishing canister.

CAS systems equipped with an upstream liquid scrubber may be sampled once every 12 hours of CAS run time to determine breakthrough.

(3) The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 38.

(4) Breakthrough is defined as the highest measured VOC concentration at or exceeding 100 ppmv above background. When the condition of breakthrough of VOC from the initial saturation canister occurs, the waste gas flow shall be switched to the second canister and a fresh canister shall be placed as the new final polishing canister within four hours.

(5) Records of CAS monitoring shall include the following:

a. Sample time and date.

b. Monitoring results (ppmv).

c. Canister replacement log.

(6) Single canister systems are allowed if the time the carbon canister is in service is limited to no more than 30% of the minimum potential saturation time. The permit holder shall maintain records for these systems, including the calculations performed to determine the saturation time. The time limit on carbon canister service shall be recorded and the expiration date attached to the carbon canister.

(7) Liquid scrubbers may be used upstream of carbon canisters to enhance VOC capture provided such systems are closed systems and the spent absorbing solution is discharged into a closed container, vessel, or system.

B. Single Carbon Adsorption or Scrubber System

As an alternative to the requirements in paragraph A.(6). and A.(7)., a single liquid scrubbing or single CAS may be used as a sole control device if the requirements below are satisfied.

(1) The exhaust to atmosphere shall be continuously monitored with a CEM. The VOC concentration shall be recorded at least once every 15 minutes when waste gas is directed to the CAS or scrubber.

(2) The method of VOC sampling and analysis shall be by detector meeting the requirements of Special Condition 38.

(3) An alarm shall be installed such that an operator is alerted if the outlet VOC concentration exceeds 100 ppmv above background and 2% of the system inlet concentration. Monitoring shall be performed upstream of the carbon canister to demonstrate collection efficiency. The MSS activity shall be stopped as soon as possible when the VOC concentration exceeds 100 ppmv above background for more than one minute. The date and time of all alarms and the actions taken shall be recorded.

C. Thermal Oxidizer.

(1) The thermal oxidizer firebox exit temperature shall be maintained at not less than 1400°F and waste gas flows shall be limited to assure at least a 0.5 second residence time in the firebox while waste gas is being fed into the oxidizer.

(2) The thermal oxidizer exhaust temperature shall be continuously monitored and recorded when waste gas is directed to the oxidizer. The temperature measurements shall be made at intervals of six minutes or less and recorded at that frequency.

The temperature measurement device shall be installed, calibrated, and maintained according to accepted practice and the manufacturer's specifications. The device

shall have an accuracy of the greater of ±0.75 percent of the temperature being measured expressed in degrees Celsius or ±2.5ºC.

(3) As an alternative to Special Condition No. 46.C.1. the thermal oxidizer may be tested to confirm a minimum 99 weight percent destruction efficiency. The results of the test will be used to determine the minimum operating temperature and residence time. The stack test must have been performed within the last 12 months. Stack VOC concentrations and flow rates shall be measured in accordance with applicable United States Environmental Protection Agency (EPA) Reference Methods. A copy of the test report shall be maintained with the thermal oxidizer and a summary of the testing results shall be included with the emission calculations.

(4) As an alternative to Special Condition No. 46.C.1 and 2 the thermal oxidizer may be equipped with continuous VOC monitors (inlet and outlet). The VOC monitors shall be calibrated and maintained according to Special Condition No. 38. In order to demonstrate compliance with this requirement, inlet VOC and outlet VOC concentrations shall be measured and inlet and outlet VOC mass rates shall be calculated on an hourly basis to confirm a minimum 99 weight percent destruction efficiency or an exhaust concentration not greater than 20 ppmv.

D. Internal Combustion Engine.

(1) The internal combustion engine shall have a VOC destruction efficiency of at least 99 percent.

(2) The engine must have been stack tested with propane or butane to confirm the required destruction efficiency within the past 12 months. VOC shall be measured in accordance with the applicable United States Environmental Protection Agency (EPA) Reference Method during the stack test and the exhaust flow rate may be determined from measured fuel flow rate and measured oxygen concentration. A copy of the stack test report shall be maintained with the engine. There shall also be documentation of acceptable VOC emissions following each occurrence of engine maintenance which may reasonably be expected to increase emissions including oxygen sensor replacement and catalyst cleaning or replacement. Stain tube indicators specifically designed to measure VOC concentration shall be acceptable for this documentation, provided a hot air probe or equivalent device is used to prevent error due to high stack temperature, and three sets of concentration measurements are made and averaged. Portable VOC analyzers meeting the requirements of Special Condition 38 are also acceptable for this documentation

(3) The engine shall be operated with an oxygen sensor-based air-to-fuel ratio (AFR) controller. Documentation for each AFR controller that the manufacturer's, or supplier's recommended maintenance has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers shall be maintained with the engine. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation.

E. The plant flare system

(1) The heating value and velocity requirements in 40 CFR 60.18 shall be satisfied during operations authorized by this permit.

(2) The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The flame shall be continuously monitored by a thermal couple or an infrared monitor. The time, date, and duration of any loss of flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with, the manufacturer's specifications.

(3) Monitoring shall be used to maintain waste gas above the minimum heating value. Measurement, good engineering practice, or process knowledge shall be used to maintain waste gas above the minimum heating value.

F. Closed Loop Refrigerated Vapor Recovery System.

(1) The vapor recovery system shall be installed on the facility to be degassed using good engineering practice to ensure air contaminants are flushed from the facility through the refrigerated vapor condensers and back to the facility being degassed. The vapor recovery system and facility being degassed shall be enclosed except as necessary to ensure structural integrity (such as roof vents on a floating roof tank).

(2) VOC concentration in vapor being circulated by the system shall be sampled and recorded at least once every 4 hours at the inlet of the condenser unit with an instrument meeting the requirements of Special Condition 38.

(3) The quantity of liquid recovered from the tank vapors and the tank pressure shall be monitored and recorded each hour. The liquid recovered shall increase with each reading and the tank pressure shall not exceed one inch water pressure while the system is operating.

47. The following requirements apply to capture systems for the plant flare systems.

A. Either conduct a once a month visual, audible, and/or olfactory inspection of the capture system to verify there are no leaking components in the capture system; or verify the capture system is leak-free by inspecting in accordance with 40 CFR Part 60, Appendix A, Test Method 21 once a year. Leaks shall be indicated by a Method 21 instrument reading greater than or equal to 500 ppmv above background.

B. The control device shall not have a bypass. If there is a bypass for the control device, comply with either of the following requirements:

(1) Install a flow indicator that records and verifies zero flow at least once every fifteen minutes immediately downstream of each valve that if opened would allow a vent stream to bypass the control device and be emitted, either directly or indirectly, to the atmosphere; or

(2) Once a month, inspect the valves, verifying the position of the valves and the condition of the car seals that prevent flow out the bypass.

A bypass does not include authorized analyzer vents, highpoint bleeder vents, low point drains, or rupture discs upstream of pressure relief valves if the pressure between the disc and relief valve is monitored and recorded at least weekly. A deviation shall be reported if the monitoring or inspections indicate bypass of the control device when it is required to be in service.

C. Records of the inspections required shall be maintained and if the results of any of the above inspections are not satisfactory, the permit holder shall promptly take necessary corrective action.

48. If spray guns are used to apply paint, they shall be airless, high volume low pressure (HVLP), or have the same or higher transfer efficiency as airless or HVLP spray guns.

49. Emissions from all painting activities, except for minor painting identified in Attachment A to this permit, at this site must satisfy the criteria below. New compounds may also be added through the use of the procedure below.

A. Short-term (pounds per hour [lb/hr]) and annual (TPY) emissions shall be determined for each chemical in the paint as documented in the permit application. The calculated emission rate shall not exceed the maximum allowable emissions rate at any emission point.

B. The Effects Screening Level (ESL) for the material shall be obtained from the current TCEQ ESL list or by written request to the TCEQ Toxicology Section.

C. The total painting emissions of any compound must satisfy one of the following conditions:

(1) The total emission rate is less than 0.1 lb/hr and the ESL greater than or equal to 2 µg/m3; or

(2) The emission rate of the compound in pounds per hour is less than the ESL for the compound divided by 1000 (ER<ESL/1000).

D. The permit holder shall maintain records of the information below and the demonstrations in steps A though C above. The following documentation is required for each compound:

(1) Chemical name(s), composition, and chemical abstract registry number if available.

(2) Material Safety Data Sheet.

(3) Maximum concentration of the chemical in weight percent

(4) Paint usage and the associated emissions shall be recorded each month and the rolling 12 month total emissions updated.

50. No visible emissions due to painting or abrasive blasting shall leave the property.

51. Black Beauty, Garnet Sand, coal slag, and Polar Blast (dry ice) may be used for abrasive blasting. The permit holder may also use blast media that meet the criteria below:

A. The media shall not contain asbestos or greater than 1.0 weight percent crystalline silica.

B. The weight fraction of any metal in the blast media with a short term ESL less than 50 micrograms per cubic meter as identified in the most recently published TCEQ ESL list shall not exceed the ESLmetal/1000.

C. The MSDS for each media used shall be maintained on site.

Blasting media usage and the associated emissions shall be recorded each month.

52. With the exception of the interim MAERT emission limits, these MSS permit conditions become effective on the first day of the month following 180 days after this permit has been issued. Before that date, emissions shall be estimated using good engineering practice and methods to provide reasonably accurate representations for emissions. The basis used for determining the quantity of air contaminants to be emitted shall be recorded. The permit holder may maintain abbreviated records of emissions from Attachment A and B activities as allowed in Special Condition 36 rather than documenting all the information required by Special Condition 34.A. through D.

Date: January 17, 2023

Attachment A

Flexible Permit Numbers 16989 and PSDTX794

INHERENTLY LOW EMITTING ACTIVITIES

Activity	**VOC**	**NOx**	**CO**	**PM_{10}**	**SO_2**
Inspection, repair, replacement, and maintenance on analytical equipment	x	x	x		x
Inspection, repair, replacement, adjustment, testing, calibration, and maintenance of instrumentation/analyzer	x	x	x		x
Valve maintenance (tightening of packing)	x				
Tank maintenance	x				
Aerosol Cans and other consumables	x				
Catalyst activation/deactivation	x	x	x		x
Management of sludge from pits, ponds, sumps, and water conveyances	x				
Inspection, repair, and replacement of Carbon Canisters	x				
Catalyst charging/handling				x	
Meter proving	x	x	x		x
Inspection, repair, and replacement of filters and screens	x		x	x	
Inspection, repair, and replacement on water treatment systems (cooling, boiler, potable)	x				
Water Wash of Empty Containers	x				
Inspection, repair, and replacement of monitoring/measuring equipment	x	x	x		x
Cleaning (including strainers, lube oil systems)	x		x	x	x
Welding		x	x	x	
Maintenance Wastewater	x				
Aerosol Can Puncture Station	x				
WWSU Acid Washing	x				
PRV maintenance	x	x	x		x
Lab maintenance activities, including cleaning equipment with solvents	x				

Date: August 28, 2020

Attachment B

Flexible Permit Numbers 16989 and PSDTX794

ROUTINE MAINTENANCE ACTIVITIES

Pump inspection, repair/replacement

Compressor inspection, repair/replacement

Process vessel inspection, repair/replacement

Heat exchanger inspection, repair/replacement

Furnace inspection, repair/replacement

Boiler inspection repair/replacement

Catalyst/Desiccant Regeneration

Piping maintenance

Pump maintenance (including chilling)

Inspection, repair, and replacement of fugitive components

Line breaks / blind turning

Pipeline periodic maintenance

Frac tank cleaning

Vacuum truck cleaning

Inspection, repair, and replacement of pipe and ancillary equipment (e.g., coupling alignment, oil seals, blinding)

Date: August 28, 2020

Attachment C

Flexible Permit Numbers 16989 and PSDTX794

MSS ACTIVITY SUMMARY

Facilities	Description	Emissions Activity	EPN
See Attachment A	inherently low emitting activities	see attachment A	MSSFUG
See Attachment B	routine maintenance activities	see attachment B	MSLOUFLARE MSSAUFLARE
All Storage Tanks	storage tank draining/degassing/ cleaning/repair/refilling	de-inventory, degassing, tank cleaning, repair, refilling	MSSRTO MSSFUG
All Floating Roof Tanks	tank roof landing	emptying with landed roof	MSSFUG
All Floating Roof Tanks	degas of tank with landed roof	controlled degassing	MSSRTO
All Process Units and Tanks	vacuum truck loading	remove contents prior to degassing, washing, maintenance, change of service, collecting materials accumulated in waste/wastewater equipment	MSSFUG
All Process Units	process unit shutdown/depressurize/drain	vent to flare	MSLOUFLARE MSSAUFLARE
All Process Units	process unit purge/degas/drain	vent to atmosphere	MSSFUG
All Process Units	process unit startup	vent to flare	MSLOUFLARE MSSAUFLARE
All Process Units and Tanks	preparation for facility/component maintenance/repair/replacement	vent to flare	MSLOUFLARE MSSAUFLARE
All Process Units and Tanks	preparation for facility/component maintenance/repair/replacement	vent to atmosphere	MSSFUG
All Process Units and Tanks	recovery from facility/component maintenance/repair/replacement	vent to flare/thermal oxidizer	MSLOUFLARE MSSAUFLARE MSSRTO
All Process Units and Tanks	recovery from facility/component maintenance/repair/replacement	vent to atmosphere	MSSFUG

Facilities	Description	Emissions Activity	EPN
All Process Units and Tanks	preparation for unit turnaround or facility/component maintenance/repair/replacement	remove liquid/ vent to flare/thermal oxidizer	MSLOUFLARE MSSAUFLARE MSSRTO
Frac Tanks	small portable tanks used for maintenance, startup, shutdown or normal operations including tank and process unit cleaning operations	working and standing losses from frac tanks	MSSFUG
All Production-Related Equipment	Abrasive Blasting	PM from blasting media	MSSFUG
All Production-Related Equipment	all production related facilities surface coating	vent to atmosphere	MSSFUG
All Combustion Related Equipment	combustion unit startup	vent to a flares	MSLOUFLARE MSSAUFLARE
All Production-Related Equipment	periodic equipment leaks	vent to atmosphere	MSSFUG
All Production-Related Equipment	periodic flaring	vent to flares	MSLOUFLARE MSSAUFLARE
All Production-Related Instrumentation	periodic instrument failure	vent to atmosphere	MSSFUG

Date: August 28, 2020

Attachment D

Flexible Permit Numbers 16989 and PSDTX794

EMISSION CAPS COMPLIANCE PLAN

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1.0 INTRODUCTION

The individual pollutant emission caps proposed in this submittal will not be exceeded without first amending the flexible permit or by qualifying for an exemption from 30 TAC Chapter 116. To comply with the caps, individual emission point calculations that make up the cap will be performed on both hourly and annual bases using computer spreadsheets prepared for this application. The calculations are based on measurable process parameters such as throughputs, flow rates and stream compositional information that is currently monitored and collected by plant personnel.

The emission cap of each pollutant are a sum of the contributions from the individual EPNs as identified in Appendix A and miscellaneous sources as identified in Appendix B of the applicable pollutant.

This document presents Motiva Chemicals LLC's plan to demonstrate compliance with the emission limits (hourly and annual) specified by Flexible Air Permit No. 16989 for the following pollutants: NOx, SO_2, CO, PM, PM_{10}, $PM_{2.5}$, VOC, benzene, and toluene.

1.1 DOCUMENT LAYOUT

This document is divided into two sections:

1) General Compliance Guidelines (Section 2.0)

   Provides general details on the monitoring, inspection, and recordkeeping that will demonstrate compliance with the permit emission caps.

2) Source Category Compliance Guidelines (Section 3.0)

   Provides source category specific detail on the monitoring, inspection, and recordkeeping that will demonstrate compliance with the permit emission caps.

1.2 MAXIMUM HOURLY AND ANNUAL EMISSION CAPS

The maximum emission caps are established in the flexible permit. These caps will be recalculated as required due to the demolition, shutdown or consolidation of PBRs and Standard permits. Changes in emission caps will only occur after appropriate TCEQ authorization has been obtained.

2.0 GENERAL COMPLIANCE GUIDELINES

Sources of NOx, SO_2, CO, PM, PM_{10}, $PM_{2.5}$, and VOC as products of combustion include cracking furnaces, process heaters, flares, and the API thermal oxidizer.

Sources of VOC emissions include cooling towers, process unit fugitive sources, tanks, tank truck and tank car loading racks, and miscellaneous sources.

Sources of benzene emissions include process unit fugitive sources, cooling towers, tanks, loading, and miscellaneous sources.

2.1 HOURLY EMISSIONS MONITORING

Hourly emissions from units equipped with CEMS or PEMS will be directly monitored and recorded.

Hourly emissions from units not equipped with CEMS or PEMS will be determined from actual usage rates, periodic measurements, and EPA- and TCEQ-approved emission calculation methods and factors. The calculations will generally involve monthly or daily tracking of tank and loading throughputs, cooling water, and fuel flows. Using these data, monthly or daily emissions would be directly determined. Hourly emissions would then be determined by dividing the monthly emissions by the number of hours in the month, or daily emissions by 24.

The CEMS/PEMS data will be totaled with other hourly emissions for comparison to the total hourly emission caps.

2.2 ANNUAL EMISSIONS MONITORING

Annual emissions will be determined using the same methodology described for hourly emissions monitoring except that monthly emissions will be summed to annual emissions.

2.3 INSPECTION

Equipment used to monitor, or control emissions will be checked routinely to ensure that it continues to operate correctly.

2.4 RECORDKEEPING

The following records will be updated monthly, no later than three months after a calendar month ends, and kept for a minimum of five years:

1) hourly emissions of each pollutant, determined using the methodology specified in Section 2.1;

2) annual emissions of each pollutant, determined on a rolling 12-month annual average basis; and

3) the permitted hourly and annual emission caps for each pollutant.

2.5 SPECIATION OF STREAMS

Speciation of streams will be accomplished using one of the following methods, as appropriate:

1) Sampling or analysis

2) Process knowledge

3) Material balance

4) Process simulation.

3.0 SOURCE CATEGORY COMPLIANCE GUIDELINES

3.1 COMBUSTION SOURCES

Emissions from combustion sources will be calculated and recorded according to the methods shown in the following sections. All cracking furnaces (except the ethane furnace) and superheaters NOx and CO emissions will be monitored using existing CEMS according to the following permit condition:

The holder of this permit shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the in-stack concentrations of NOx, CO and Oxygen (O_2) or CO_2 emissions from each of the Combustion Sources, EPNs: LOUBOILER1, LOUBOILER2, LOUBOILER3, LOUBOILER4, LOUBOILER5, LOUBOILER6, LOUBOILER7, LOUBOILER9, LOUBOILR10, and LOUBOILR11. The monitoring system shall meet the special conditions on requirements for CEMS.

NOx emission limits for these sources will be part of an emissions cap not to exceed the levels in the following permit condition:

Additional engineering design information shall be submitted to the TCEQ Beaumont Regional Office, that describes the emission control technology used to comply with the following NOx emission rate factors used as the basis for the NOx Emission Caps:

1) 0.075 lb NOx/MM Btu on an annual basis; and

2) 0.130 lb NOx/MM Btu on an hourly basis.

CO emissions will be capped at 100 ppmv on both hourly and annual bases. Emissions from units not requiring CEMS will be based on measured fuel use and emission factors determined by stack tests and/or vendor supplied information.

3.1.1 Hourly Emissions Monitoring

Hourly emissions of NOx from units equipped with CEMS will be recorded for each source then summated for comparison to the emission cap limit.

Hourly emissions from units not equipped with CEMS or PEMS, and emissions other than NOx and CO from units equipped with CEMS or PEMS will be determined from actual fuel usage rates, and emission factors determined, as appropriate, from:

(1) fuel gas sulfur monitoring (see Section 3.1.4 below)

(2) testing

(3) vendors, and/or

(4) AP-42.

The calculations will generally involve daily tracking of fuel flows. Using these data, daily emissions would be directly determined. Hourly emissions would then be determined by dividing the daily emissions by 24.

3.1.2 Annual Emissions Monitoring

Annual emissions will be determined using the same methodology described for hourly emissions monitoring except that monthly emissions will be summed to annual emissions.

3.1.3 Inspection

Equipment used to monitor, or control emissions will be checked routinely to ensure that it continues to operate correctly. CEMS or PEMS will be calibrated according to state and federal guidance.

3.1.4 Fuel Gas H_2S Monitoring

The sulfur content of the plant fuel gas is sampled using Tutwiler, Draeger, or other approved methods.

The average H_2S (or sulfur) concentration in the plant fuel gas will be calculated based on the sample results.

3.1.5 Recordkeeping

The following records will be updated monthly, no later than three months after a calendar month ends, and kept for a minimum of five years:

1) annual emissions of each pollutant, determined on a rolling 12-month annual average basis, from each combustion source

2) small process heater (EPN LOUHEATER1) and the ethane cracking furnace (EPN LOUBOILER8) do not require CEMS and their hourly contributions will be determined by methods described in Section 3.1.1

3) hourly emissions of each pollutant, determined using the methodology in Section 3.1.1, from each combustion source

4) emission factors used for each combustion source not directly measured by a CEMS or PEMS

5) performance tests used to verify emission factors, if available

6) H_2S content of plant fuel gas.

3.2 FLARES AND API REGENERATIVE THERMAL OXIDIZER

Emissions from the AU Flare and LOU Elevated Flare (EPNs AUFLARE-1 and LOUFLARE) and the API Regenerative Thermal Oxidizer (RTO, EPN LOUAPIVO) will be calculated and recorded according to the methods shown in the following sections.

3.2.1 Hourly Emissions Monitoring

Hourly emissions from the flares have been determined from flared gas flow rates, measured compositions, and TCEQ-accepted emission factors. Recent flare studies

identified typical maximum flows and compositions. The presence of a flare flame will be monitored using a thermocouple or infrared detector, or an approved equivalent device. A continuous flow monitor and composition analyzer (or calorimeter, if applicable) will be installed to provide a record of the vent stream flow and composition (total VOC or Btu content) to the flare. Hourly emissions of VOC and speciated VOC from the API Thermal Oxidizer will be based on separator composition data, volumetric flow to oxidizer and the oxidizer destruction efficiency as specified by the oxidizer vendor and/or initial compliance stack testing as required by this permit. Combustion products will be estimated based on accepted emission factors, vendor maximum design heat release parameters and initial compliance stack testing.

3.2.2 Annual Emissions Monitoring

Annual emissions will be determined using the same methodology described for hourly emissions except that average flare stream characteristics were used to estimate annual emissions.

3.2.3 Inspection

Equipment used to monitor, or control emissions will be checked routinely to ensure that it continues to operate correctly.

3.2.4 Calibration

The flow monitor and composition analyzer of the flares shall be calibrated or have a calibration check performed on an annual basis to meet the required accuracy specifications. The temperature measurement device of the RTO shall be calibrated and maintained according to accepted practice and the manufacturer's specifications.

3.2.5 Recordkeeping

The following records will be maintained:

1) annual emissions of each pollutant from each flare as estimated from flare studies

2) hourly emissions of each pollutant from each flare as estimated from flare studies.

The following records will be kept for the life of the source and will be updated if there is a change in the process(es) venting to the flare(s):

1) determination of flare exit velocity

2) determination of vent gas heating value

3) speciation of the vent gas, as required.

3.3 COOLING TOWER

Emissions from the LOU Cooling Tower (EPN LOUCOOLTWR) will be calculated and recorded according to the methods shown in the following sections.

3.3.1 Hourly Emissions Monitoring

Motiva will monitor both VOC and benzene based on the schedule and methodology identified in the permit conditions. Hourly emissions will be determined by dividing the weekly schedule or monthly emissions by the number of hours in the week or month.

Particulate emissions from the cooling tower will be authorized in this permit renewal. Total dissolved solids (TDS) will be monitored according to the schedule as specified in the permit conditions.

3.3.2 Annual Emissions Monitoring

Annual emissions will be determined using the same methodology described for hourly emissions monitoring except that monthly emissions will be summed to annual emissions.

3.3.3 Inspection

Equipment used to monitor, or control emissions will be checked routinely to ensure that it continues to operate correctly. CEMS or PEMS will be calibrated according to state and federal guidance.

3.3.4 Recordkeeping

The following records will be updated monthly, no later than three months after a calendar month ends, and kept for a minimum of five years:

1) annual emissions of VOC and benzene determined on a rolling 12-month annual average basis, from each cooling tower

2) hourly emissions of VOC and determined using the methodology in Section 3.3.1, from each cooling tower

3) results of the sampling

4) monthly particulate emission records

5) records of all inspections, repairs, instrument calibrations and test results.

Records showing the maximum circulation rate for the cooling tower will be updated when there has been a change to the maximum circulation rate of the cooling tower.

3.4 FUGITIVE EMISSIONS

Fugitive components located in the LOU process area will be monitored by the TCEQ 28MID Leak Detection and Repair (LDAR) program. Fugitive components located in all other facilities of the plant except the LOU process area will be monitored by the TCEQ 28VHP LDAR program. Fugitive emissions are estimated using the appropriate emission factors for a given process area and recorded according to the methods shown in the following sections.

3.4.1 Hourly Emissions Monitoring

Fugitive emissions will either be calculated using the same methods used for specification of their contribution to the emission cap.

3.4.2 Annual Emissions Monitoring

Annual emissions will be determined using the same methodology described for hourly emissions monitoring except that monthly emissions will be summed to annual emissions.

3.4.3 Inspection

Component inspection, including inspection of PSVs not equipped with rupture disks or not routed to a control device, will be performed as required by the permit conditions.

3.4.4 Recordkeeping

The following records will be updated monthly, no later than three months after a calendar month ends, and kept for a minimum of five years:

1) annual emissions of VOC, benzene, and toluene determined on a rolling 12-month annual average basis

2) hourly emissions of VOC, benzene, and toluene determined using the methodology in Section 3.4.1

3) speciation of process streams, as required

4) monitoring results, as required.

3.5 TANKS

Emissions from tanks will be calculated and recorded according to the methods shown in the following sections.

3.5.1 Hourly Emissions Monitoring

Hourly emissions from the tanks will be determined from tank throughputs, measured or known compositions, and EPA- and TCEQ-accepted emission calculation methods.

Tank throughputs will be determined by taking the difference in tank liquid levels. The calculations will generally involve monthly tracking of tank transfers. Using these data, monthly emissions would be directly determined. For cap compliance, hourly emissions would then be determined by dividing the monthly emissions by the number of hours in the month.

3.5.2 Annual Emissions Monitoring

Annual emissions will be determined using the same methodology described for hourly emissions monitoring except that monthly emissions will be summed to annual emissions.

3.5.3 Inspection

For all floating-roof tanks containing material with a true vapor pressure greater than 0.5 psia, the seal inspection procedures listed in 30 TAC 115.114(a) will be followed unless the tank is subject to a more stringent federal inspection requirement.

3.5.4 Recordkeeping

The following records will be updated monthly, no later than three months after a calendar month ends, and kept for a minimum of five years:

1) annual emissions of VOC, benzene, and toluene determined on a rolling 12-month annual average basis

2) hourly emissions of VOC, benzene, and toluene determined using the methodology in Section 3.5.1

3) speciation of tank emissions, as required

4) results of each seal inspection

5) documentation of the corrective actions taken for any failed seal inspections, as required.

3.6 TANK TRUCK/TANK CAR LOADING

Emissions from tank truck and tank car loading will be calculated and recorded according to the methods shown in the following sections.

3.6.1 Hourly Emissions Monitoring

Hourly emissions from the loading operations will be determined from loading through puts, measured or known compositions, and EPA- and TCEQ-accepted emission calculation methods. The calculations will generally involve monthly tracking of transfers.

Using these data, monthly emissions would be directly determined. Hourly emissions would then be determined by dividing the monthly emissions by the number of hours in the month.

3.6.2 Annual Emissions Monitoring

Annual emissions will be determined using the same methodology described for hourly emissions monitoring except that monthly emissions will be summed to annual emissions.

3.6.3 Inspection

Operation without visible liquid leaks or spills shall be maintained except for momentary dripping from the initial connection or disconnection of fittings.

3.6.4 Recordkeeping

The following records will be updated monthly, no later than three months after a calendar month ends, and kept for a minimum of five years:

1) annual emissions of VOC, benzene, and toluene determined on a rolling 12-month annual average basis

2) hourly emissions of VOC, benzene, and toluene determined using the methodology in Section 3.6.1

3) speciation of emissions, as required.

3.7 WASTEWATER

Emissions from wastewater treatment and handling will be calculated and recorded according to the methods shown in the following sections.

3.7.1 Hourly Emissions Monitoring

The wastewater system consists of a series of tanks, pumps, sumps, drains, piping, a vacuum truck, and an API separator connected to a control device. Hourly emissions of VOC and VOC species from the API separator control device, process unit fugitives (e.g., pumps, drains, piping), and tanks will be calculated as described in Sections 3.2, 3.4 and 3.5, respectively. Using these data, monthly emissions would be directly determined. For compliance purposes, hourly emissions would then be determined by dividing the monthly emissions by the number of hours in the month.

3.7.2 Annual Emissions Monitoring

Annual emissions will be determined using the same methodology described for hourly emissions monitoring except that monthly emissions will be summed to annual emissions.

3.7.3 Inspection

Requirements of 30 TAC 115 and/or federal programs will be applied, as appropriate.

3.7.4 Recordkeeping

The following records will be updated monthly, no later than three months after a calendar month ends, and kept for a minimum of five years:

1) annual emissions VOC, benzene, and toluene determined on a rolling 12-month annual average basis

2) hourly emissions of VOC, benzene, and toluene determined using the methodology in Section 3.7.1

3) results of sampling

4) speciation of emissions, as required.

3.8 MISCELLANEOUS SOURCES

Emissions of various miscellaneous sources will be calculated and described according to the Appendix B to the Attachment D.

Appendix A Cap Contribution of Individual Sources and Ongoing Compliance

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
Various	AUFLARE-1	AU Flare	CO	17.40	38.60	Flared gas flow rates, measured composition of fuel and waste gas, and TCEQ emission factor.	Flared gas flow rates, measured composition of fuel and waste gas, and TCEQ emission factor.
Various	AUFLARE-1	AU Flare	NOx	3.30	7.43	Flared gas flow rates, measured composition of fuel and waste gas, and TCEQ emission factor.	Flared gas flow rates, measured composition of fuel and waste gas, and TCEQ emission factor.
Various	AUFLARE-1	AU Flare	SO2	<0.01	0.01	Flared gas flow rates and assumed sulfur content of fuel gas.	Flared gas flow rates and assumed sulfur content of fuel gas.
Various	AUFLARE-1	AU Flare	VOC	20.00	40.50	Flared gas flow rates and measured composition of fuel and waste gas. In addition, the presence of a pilot flame is monitored.	Flared gas flow rates and measured composition of fuel and waste gas. In addition, the presence of a pilot flame is monitored.
Various	AUFLARE-1	AU Flare	Benzene	2.90	9.15	Flared gas flow rates and measured composition of waste gas. In addition, the presence of a pilot flame is monitored.	Flared gas flow rates and measured composition of waste gas. In addition, the presence of a pilot flame is monitored.
Various	AUFLARE-1	AU Flare	Toluene	0.21	0.77	Flared gas flow rates and measured composition of waste gas. In addition, the presence of a pilot flame is monitored.	Flared gas flow rates and measured composition of waste gas. In addition, the presence of a pilot flame is monitored.
AU	AUFUGS	AU Fugitives	VOC	1.17	5.10	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28VHP LDAR Program is followed.	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28VHP LDAR Program is followed.
AU	AUFUGS	AU Fugitives	Benzene	0.30	1.32	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28VHP LDAR Program is followed.	correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28VHP LDAR Program is followed.
AU	AUFUGS	AU Fugitives	Toluene	0.18	0.77	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28VHP LDAR Program is followed.	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28VHP LDAR Program is followed.
AUT33979	AUT33979	Tank 33979	VOC	0.01	<0.01	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used.
AUT4881	AUT4881	Tank 4881	VOC	0.61	1.07	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
AUT4882	AUT4882	Tank 4882	VOC	0.61	1.07	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
AUT4883	AUT4883	Tank 4883	VOC	0.61	1.07	Measured throughput for the storage tank is determined based	Measured throughput for the storage tank is determined based on level

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
AUT4884	AUT4884	Tank 4884	VOC	0.98	1.95	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
AUT4884	AUT4884	Tank 4884	Benzene	<0.01	<0.01	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
AUT4930	AUT4930	Tank 4930	VOC	0.26	0.58	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
CHXU	CHXUFUGS	Cyclohexane Unit Fugitives	VOC	0.54	2.36	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28VHP

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						28VHP LDAR Program is followed.	LDAR Program is followed.
CHXU	CHXUFUGS	Cyclohexane Unit Fugitives	Benzene	0.11	0.49	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28VHP LDAR Program is followed.	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28VHP LDAR Program is followed.
LOUCOOLTWR	LOUCOOLTWR	LOU Cooling Tower	VOC	5.80	25.00	The Cooling Tower is monitored weekly for total VOC using the El Paso method. Results of conservative TO15 analysis are used to determine speciation of VOC.	The Cooling Tower is monitored weekly for total VOC using the El Paso method. Results of conservative TO15 analysis are used to determine speciation of VOC.
LOUCOOLTWR	LOUCOOLTWR	LOU Cooling Tower	Benzene	2.90	12.71	The Cooling Tower is monitored weekly for total VOC using the El Paso method. Results of conservative TO15 analysis are used to determine speciation of VOC. In addition, the concentration of benzene is monitored daily.	The Cooling Tower is monitored weekly for total VOC using the El Paso method. Results of conservative TO15 analysis are used to determine speciation of VOC. In addition, the concentration of benzene is monitored daily.
LOUCOOLTWR	LOUCOOLTWR	LOU Cooling Tower	Toluene	0.06	0.03	The Cooling Tower is monitored weekly for total VOC using the El Paso method. Results of conservative TO15 analysis are used to determine speciation of VOC.	The Cooling Tower is monitored weekly for total VOC using the El Paso method. Results of conservative TO15 analysis are used to determine speciation of VOC.
LOUCOOLTWR	LOUCOOLTWR	LOU Cooling Tower	PM	0.38	1.67	Conductivity in the cooling water is sampled weekly and converted to Total Dissolved Solids (TDS) for estimation of PM10 emissions.	Conductivity in the cooling water is sampled weekly and converted to Total Dissolved Solids (TDS) for estimation of PM10 emissions.
LOUCOOLTWR	LOUCOOLTWR	LOU Cooling Tower	PM10	0.29	1.26	Conductivity in the cooling water is sampled weekly and converted to Total Dissolved Solids (TDS) for estimation of PM10 emissions.	Conductivity in the cooling water is sampled weekly and converted to Total Dissolved Solids (TDS) for estimation of PM10 emissions.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
LOUCOOLTWR	LOUCOOLTWR	LOU Cooling Tower	PM2.5	<0.01	<0.01	Conductivity in the cooling water is sampled weekly and converted to Total Dissolved Solids (TDS) for estimation of PM10 emissions.	Conductivity in the cooling water is sampled weekly and converted to Total Dissolved Solids (TDS) for estimation of PM10 emissions.
Various	LOUFLARE	LOU Flare 1	CO	91.00	92.50	Flared gas flow rates, measured composition of fuel and waste gas, and TCEQ emission factor.	Flared gas flow rates, measured composition of fuel and waste gas, and TCEQ emission factor.
Various	LOUFLARE	LOU Flare 1	NOx	17.90	18.20	Flared gas flow rates, measured composition of fuel and waste gas, and TCEQ emission factor.	Flared gas flow rates, measured composition of fuel and waste gas, and TCEQ emission factor.
Various	LOUFLARE	LOU Flare 1	SO2	4.90	5.90	Flared gas flow rates and assumed sulfur content of fuel gas.	Flared gas flow rates and assumed sulfur content of fuel gas.
Various	LOUFLARE	LOU Flare 1	VOC	39.00	117.00	Flared gas flow rates and measured composition of fuel and waste gas. In addition, the presence of a pilot flame is monitored.	Flared gas flow rates and measured composition of fuel and waste gas. In addition, the presence of a pilot flame is monitored.
Various	LOUFLARE	LOU Flare 1	Benzene	0.33	1.10	Flared gas flow rates and measured composition of waste gas. In addition, the presence of a pilot flame is monitored.	Flared gas flow rates and measured composition of waste gas. In addition, the presence of a pilot flame is monitored.
Various	LOUFLARE	LOU Flare 1	Toluene	0.06	0.18	Flared gas flow rates and measured composition of waste gas. In addition, the presence of a pilot flame is monitored.	Flared gas flow rates and measured composition of waste gas. In addition, the presence of a pilot flame is monitored.
LOU	LOUFUGS	LOU Fugitives	VOC	6.47	28.45	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28MID LDAR Program is followed.	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28MID LDAR Program is followed.
LOU	LOUFUGS	LOU Fugitives	Benzene	0.60	2.64	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28MID LDAR Program is followed.	correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28MID LDAR Program is followed.
LOU	LOUFUGS	LOU Fugitives	Toluene	0.33	1.47	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28MID LDAR Program is followed.	The methodology for calculating emissions from equipment leak components in the PAC plant is based on the use of the SOCMI correlation equations and actual FID data that is collected as part of the facility's fugitive monitoring program. Modeled speciations from the current permit are used. The 28MID LDAR Program is followed.
Cracking Furnaces and Superheaters (FINs: LOUBOILER1 – LOUBOILR11)	Cracking Furnaces and Superheaters (EPNs: LOUBOILER1 – LOUBOILR11)	Cracking Furnaces A-H, Ethane Cracking Furnace, and Superheaters A-B	NOx	329.40	832.40	All stacks except the Ethane Cracking Furnace have a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow. Stack testing for the Ethane Cracking Furnace is completed as required.	All stacks except the Ethane Cracking Furnace have a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow. Stack testing for the Ethane Cracking Furnace is completed as required.
LOUBOILER1	LOUBOILER1	Cracking Furnace A	CO	19.40	80.90	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER1	LOUBOILER1	Cracking Furnace A	NOx *See combined emission rate for all cracking furnace and superheaters	31.82	80.42	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER1	LOUBOILER1	Cracking Furnace A	PM	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER1	LOUBOILER1	Cracking Furnace A	PM10	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
LOUBOILER1	LOUBOILER1	Cracking Furnace A	PM2.5	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER1	LOUBOILER1	Cracking Furnace A	SO2	4.36	18.20	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILER1	LOUBOILER1	Cracking Furnace A	VOC	1.47	6.14	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER2	LOUBOILER2	Cracking Furnace B	CO	19.40	80.90	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER2	LOUBOILER2	Cracking Furnace B	NOx *See combined emission rate for all cracking furnace and superheaters	31.82	80.42	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER2	LOUBOILER2	Cracking Furnace B	PM	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER2	LOUBOILER2	Cracking Furnace B	PM10	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER2	LOUBOILER2	Cracking Furnace B	PM2.5	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER2	LOUBOILER2	Cracking Furnace B	SO2	4.36	18.20	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILER2	LOUBOILER2	Cracking Furnace B	VOC	1.47	6.14	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER3	LOUBOILER3	Cracking Furnace C	CO	19.40	80.90	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER3	LOUBOILER3	Cracking Furnace C	NOx *See combined emission rate for all cracking furnace and superheaters	31.82	80.42	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER3	LOUBOILER3	Cracking Furnace	PM	2.03	8.48	Fuel usage rates and AP-42	Fuel usage rates and AP-42

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
		C				emission factors.	emission factors.
LOUBOILER3	LOUBOILER3	Cracking Furnace C	PM10	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER3	LOUBOILER3	Cracking Furnace C	PM2.5	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER3	LOUBOILER3	Cracking Furnace C	SO2	4.36	18.20	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILER3	LOUBOILER3	Cracking Furnace C	VOC	1.47	6.14	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER4	LOUBOILER4	Cracking Furnace D	CO	19.40	80.90	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER4	LOUBOILER4	Cracking Furnace D	NOx *See combined emission rate for all cracking furnace and superheaters	31.82	80.42	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER4	LOUBOILER4	Cracking Furnace D	PM	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER4	LOUBOILER4	Cracking Furnace D	PM10	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER4	LOUBOILER4	Cracking Furnace D	PM2.5	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER4	LOUBOILER4	Cracking Furnace D	SO2	4.36	18.20	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILER4	LOUBOILER4	Cracking Furnace D	VOC	1.47	6.14	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER5	LOUBOILER5	Cracking Furnace E	CO	19.40	80.90	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER5	LOUBOILER5	Cracking Furnace E	NOx *See combined emission rate for all cracking	31.82	80.42	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
			furnace and superheaters				
LOUBOILER5	LOUBOILER5	Cracking Furnace E	PM	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER5	LOUBOILER5	Cracking Furnace E	PM10	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER5	LOUBOILER5	Cracking Furnace E	PM2.5	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER5	LOUBOILER5	Cracking Furnace E	SO2	4.36	18.20	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILER5	LOUBOILER5	Cracking Furnace E	VOC	1.47	6.14	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER6	LOUBOILER6	Cracking Furnace F	CO	19.40	80.90	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER6	LOUBOILER6	Cracking Furnace F	NOx *See combined emission rate for all cracking furnace and superheaters	31.82	80.42	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER6	LOUBOILER6	Cracking Furnace F	PM	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER6	LOUBOILER6	Cracking Furnace F	PM10	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER6	LOUBOILER6	Cracking Furnace F	PM2.5	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER6	LOUBOILER6	Cracking Furnace F	SO2	4.36	18.20	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILER6	LOUBOILER6	Cracking Furnace F	VOC	1.47	6.14	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER7	LOUBOILER7	Cracking Furnace G	CO	19.40	80.90	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER7	LOUBOILER7	Cracking Furnace G	NOx *See combined	31.82	80.42	The stack has a CEMS as required by SC 24 of the permit. Emission	The stack has a CEMS as required by SC 24 of the permit. Emission

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
			emission rate for all cracking furnace and superheaters			are calculated using the CEMS data and measured flow.	are calculated using the CEMS data and measured flow.
LOUBOILER7	LOUBOILER7	Cracking Furnace G	PM	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER7	LOUBOILER7	Cracking Furnace G	PM10	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER7	LOUBOILER7	Cracking Furnace G	PM2.5	2.03	8.48	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER7	LOUBOILER7	Cracking Furnace G	SO2	4.36	18.20	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILER7	LOUBOILER7	Cracking Furnace G	VOC	1.47	6.14	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER8	LOUBOILER8	Ethane Cracking Furnace	CO	8.68	36.20	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER8	LOUBOILER8	Ethane Cracking Furnace	NOx *See combined emission rate for all cracking furnace and superheaters	16.40	54.70	Fuel usage rates and emission factors from performance testing.	Fuel usage rates and emission factors from performance testing.
LOUBOILER8	LOUBOILER8	Ethane Cracking Furnace	PM	0.91	3.78	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER8	LOUBOILER8	Ethane Cracking Furnace	PM10	0.91	3.78	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER8	LOUBOILER8	Ethane Cracking Furnace	PM2.5	0.91	3.78	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER8	LOUBOILER8	Ethane Cracking Furnace	SO2	1.94	8.10	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER8	LOUBOILER8	Ethane Cracking Furnace	VOC	0.66	2.74	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILER9	LOUBOILER9	Superheater A	CO	18.30	64.00	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER9	LOUBOILER9	Superheater A	NOx *See	29.98	75.75	The stack has a CEMS as required	The stack has a CEMS as required

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
			combined emission rate for all cracking furnace and superheaters			by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILER9	LOUBOILER9	Superheater A	PM	3.40	6.82	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER9	LOUBOILER9	Superheater A	PM10	3.40	6.82	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER9	LOUBOILER9	Superheater A	PM2.5	3.40	6.82	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILER9	LOUBOILER9	Superheater A	SO2	72.20	19.78	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILER9	LOUBOILER9	Superheater A	VOC	1.39	4.85	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILR10	LOUBOILR10	Superheater B	CO	18.30	64.00	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILR10	LOUBOILR10	Superheater B	NOx *See combined emission rate for all cracking furnace and superheaters	29.98	75.75	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILR10	LOUBOILR10	Superheater B	PM	3.40	6.82	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILR10	LOUBOILR10	Superheater B	PM10	3.40	6.82	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILR10	LOUBOILR10	Superheater B	PM2.5	3.40	6.82	Fuel usage rates and AP-42 emission factors.	Fuel usage rates and AP-42 emission factors.
LOUBOILR10	LOUBOILR10	Superheater B	SO2	72.20	19.78	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILR10	LOUBOILR10	Superheater B	VOC	1.39	4.85	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUBOILR11	LOUBOILR11	Cracking Furnace H	CO	8.75	38.30	The stack has a CEMS as required by SC 24 of the permit. Emission	The stack has a CEMS as required by SC 24 of the permit. Emission

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						are calculated using the CEMS data and measured flow.	are calculated using the CEMS data and measured flow.
LOUBOILR11	LOUBOILR11	Cracking Furnace H	NOx *See combined emission rate for all cracking furnace and superheaters	26.00	113.90	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.	The stack has a CEMS as required by SC 24 of the permit. Emission are calculated using the CEMS data and measured flow.
LOUBOILR11	LOUBOILR11	Cracking Furnace H	PM	2.50	11.00	Fuel usage rates and a vendor-supplied emission factor.	Fuel usage rates and a vendor-supplied emission factor.
LOUBOILR11	LOUBOILR11	Cracking Furnace H	PM10	2.50	11.00	Fuel usage rates and a vendor-supplied emission factor.	Fuel usage rates and a vendor-supplied emission factor.
LOUBOILR11	LOUBOILR11	Cracking Furnace H	PM2.5	2.50	11.00	Fuel usage rates and a vendor-supplied emission factor.	Fuel usage rates and a vendor-supplied emission factor.
LOUBOILR11	LOUBOILR11	Cracking Furnace H	SO2	3.50	15.30	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUBOILR11	LOUBOILR11	Cracking Furnace H	VOC	1.50	6.57	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUHEATER1	LOUHEATER1	Regeneration (GHU) Heater	CO	1.02	4.46	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUHEATER1	LOUHEATER1	Regeneration (GHU) Heater	NOx	1.21	5.30	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUHEATER1	LOUHEATER1	Regeneration (GHU) Heater	PM	0.09	0.40	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUHEATER1	LOUHEATER1	Regeneration (GHU) Heater	PM10	0.09	0.40	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUHEATER1	LOUHEATER1	Regeneration (GHU) Heater	PM2.5	0.09	0.40	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUHEATER1	LOUHEATER1	Regeneration (GHU) Heater	SO2	0.20	0.86	Fuel usage rate and fuel gas sulfur content monitoring.	Fuel usage rate and fuel gas sulfur content monitoring.
LOUHEATER1	LOUHEATER1	Regeneration (GHU) Heater	VOC	0.07	0.29	Fuel usage rates and emission factors from AP-42.	Fuel usage rates and emission factors from AP-42.
LOUPFOLR	LOUPFOLR	LOU Loading Rack	VOC	7.46	2.32	Loading throughput data is collected and used to calculate emissions from loading of PFO using AP-42 loading calculation methods. Speciation is based on known composition of PFO.	Loading throughput data is collected and used to calculate emissions from loading of PFO using AP-42 loading calculation methods. Speciation is based on known composition of PFO.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
LOUPFOLR	LOUPFOLR	LOU Loading Rack	Benzene	0.79	0.31	Loading throughput data is collected and used to calculate emissions from loading of PFO using AP-42 loading calculation methods. Speciation is based on known composition of PFO.	Loading throughput data is collected and used to calculate emissions from loading of PFO using AP-42 loading calculation methods. Speciation is based on known composition of PFO.
LOUPFOLR	LOUPFOLR	LOU Loading Rack	Toluene	0.30	0.12	Loading throughput data is collected and used to calculate emissions from loading of PFO using AP-42 loading calculation methods. Speciation is based on known composition of PFO.	Loading throughput data is collected and used to calculate emissions from loading of PFO using AP-42 loading calculation methods. Speciation is based on known composition of PFO.
ABRSVCLEAN	ABRSVCLEAN	Abrasive Blasting Area	PM	2.80	0.21	Abrasive blasting conducted is tracked and actual abrasive usage rates are used in order to calculate emissions from abrasive blasting activities associated with this EPN. Emission factors from TCEQ guidance document RG-169, "Abrasive Blast Cleaning" are utilized to calculate PM10 emissions.	Abrasive blasting conducted is tracked and actual abrasive usage rates are used in order to calculate emissions from abrasive blasting activities associated with this EPN. Emission factors from TCEQ guidance document RG-169, "Abrasive Blast Cleaning" are utilized to calculate PM10 emissions.
ABRSVCLEAN	ABRSVCLEAN	Abrasive Blasting Area	PM10	2.80	0.21	Abrasive blasting conducted is tracked and actual abrasive usage rates are used in order to calculate emissions from abrasive blasting activities associated with this EPN. Emission factors from TCEQ guidance document RG-169, "Abrasive Blast Cleaning" are utilized to calculate PM10 emissions.	Abrasive blasting conducted is tracked and actual abrasive usage rates are used in order to calculate emissions from abrasive blasting activities associated with this EPN. Emission factors from TCEQ guidance document RG-169, "Abrasive Blast Cleaning" are utilized to calculate PM10 emissions.
ABRSVCLEAN	ABRSVCLEAN	Abrasive Blasting Area	PM2.5	2.80	0.21	Abrasive blasting conducted is tracked and actual abrasive usage rates are used in order to calculate emissions from abrasive blasting activities associated with this EPN. Emission factors from TCEQ guidance document RG-169,	Abrasive blasting conducted is tracked and actual abrasive usage rates are used in order to calculate emissions from abrasive blasting activities associated with this EPN. Emission factors from TCEQ guidance document RG-169,

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						"Abrasive Blast Cleaning" are utilized to calculate PM10 emissions.	"Abrasive Blast Cleaning" are utilized to calculate PM10 emissions.
AOMPANTFUG	AOMPANTFUG	Plant Painting Operations	VOC	30.00	4.88	Actual paint usage rates are tracked and used in order to calculate emissions from painting activities associated with this EPN. VOC content is determined based on the speciation of each paint or an assumed maximum VOC content.	Actual paint usage rates are tracked and used in order to calculate emissions from painting activities associated with this EPN. VOC content is determined based on the speciation of each paint or an assumed maximum VOC content.
LOUAPIVO	LOUAPIVO	Regenerative Thermal Oxidizer	CO	0.49	2.14	Gas flow rate to RTO and vendor supplied emission factor.	Gas flow rate to RTO and vendor supplied emission factor.
LOUAPIVO	LOUAPIVO	Regenerative Thermal Oxidizer	NOx	0.35	1.50	Gas flow rate to RTO and vendor supplied emission factor.	Gas flow rate to RTO and vendor supplied emission factor.
LOUAPIVO	LOUAPIVO	Regenerative Thermal Oxidizer	PM	0.01	0.05	Gas flow rate to RTO and AP-42 factor for VOC from combustion of natural gas.	Gas flow rate to RTO and AP-42 factor for VOC from combustion of natural gas.
LOUAPIVO	LOUAPIVO	Regenerative Thermal Oxidizer	PM10	0.01	0.05	Gas flow rate to RTO and AP-42 factor for VOC from combustion of natural gas.	Gas flow rate to RTO and AP-42 factor for VOC from combustion of natural gas.
LOUAPIVO	LOUAPIVO	Regenerative Thermal Oxidizer	PM2.5	0.01	0.05	Gas flow rate to RTO and AP-42 factor for VOC from combustion of natural gas.	Gas flow rate to RTO and AP-42 factor for VOC from combustion of natural gas.
LOUAPIVO	LOUAPIVO	Regenerative Thermal Oxidizer	SO2	0.03	0.13	Gas flow rate to RTO and assumed sulfur content of fuel gas.	Gas flow rate to RTO and assumed sulfur content of fuel gas.
LOUAPISEP, GHU Sump, AUT4865, AUT4866, AUT4867, AUT4868, AUT4880	LOUAPIVO	Regenerative Thermal Oxidizer	VOC	0.11	0.48	Waste gas flow rate, natural gas composition, AP-42 factor for VOC from combustion of natural gas, waste gas VOC concentration from performance testing, and a DRE of 95%. In addition, the operating firebox temperature for the RTO is continuously monitored.	Waste gas flow rate, natural gas composition, AP-42 factor for VOC from combustion of natural gas, waste gas VOC concentration from performance testing, and a DRE of 95%. In addition, the operating firebox temperature for the RTO is continuously monitored.
LOUAPISEP, GHU Sump, AUT4865, AUT4866, AUT4867,	LOUAPIVO	Regenerative Thermal Oxidizer	Benzene	0.11	0.48	Waste gas flow rate, benzene concentration from performance testing, and a DRE of 95%. In addition, the operating firebox temperature for the RTO is	Waste gas flow rate, benzene concentration from performance testing, and a DRE of 95%. In addition, the operating firebox temperature for the RTO is

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AUT4868, AUT4880						continuously monitored.	continuously monitored.
LOUAPISEP, GHU Sump, AUT4865, AUT4866, AUT4867, AUT4868, AUT4880	LOUAPIVO	Regenerative Thermal Oxidizer	Toluene	0.11	0.48	Waste gas flow rate, toluene concentration from performance testing, and a DRE of 95%. In addition, the operating firebox temperature for the RTO is continuously monitored.	Waste gas flow rate, toluene concentration from performance testing, and a DRE of 95%. In addition, the operating firebox temperature for the RTO is continuously monitored.
LOUVENTDD1	LOUVENTDD1	LOU Decoking Drum No. 1 (South)	CO	47.30	2.80	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.
LOUVENTDD1	LOUVENTDD1	LOU Decoking Drum No. 1 (South)	PM	1.90	0.12	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.
LOUVENTDD1	LOUVENTDD1	LOU Decoking Drum No. 1 (South)	PM10	1.90	0.12	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						coke removed from each furnace during decoking of 2380 lb coke/decoke.	coke removed from each furnace during decoking of 2380 lb coke/decoke.
LOUVENTDD1	LOUVENTDD1	LOU Decoking Drum No. 1 (South)	PM2.5	1.90	0.12	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.
LOUVENTDD2	LOUVENTDD2	LOU Decoking Drum No. 2 (North)	CO	47.30	2.80	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.
LOUVENTDD2	LOUVENTDD2	LOU Decoking Drum No. 2 (North)	PM	1.90	0.12	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.
LOUVENTDD2	LOUVENTDD2	LOU Decoking Drum No. 2 (North)	PM10	1.90	0.12	The number of decoking events per furnace routed to the decoking drum are determined using furnace	The number of decoking events per furnace routed to the decoking drum are determined using furnace

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						activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.	activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.
LOUVENTDD2	LOUVENTDD2	LOU Decoking Drum No. 2 (North)	PM2.5	1.90	0.12	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.	The number of decoking events per furnace routed to the decoking drum are determined using furnace activity tags and downtime data. Emissions from each event are estimated using the permitted calculation methodology with an updated estimate for the amount of coke removed from each furnace during decoking of 2380 lb coke/decoke.
AOARVS	AOARVS	Atmospheric Reference Valves	VOC	N/A	N/A	Emissions from analyzer atmospheric reference valves are calculated by material balance. Each analyzer equipped with an ARV is assumed to discharge a three-foot length of 1/8-inch OD tubing directly to the atmosphere every 120 seconds. The tubing is pressurized to 29.7 psia prior to venting. All emissions are assumed to be VOC. Speciated VOC emissions assume 1/3 benzene, 1/3 toluene, and 1/3 VOC-U by volume. VOC-U assumed to be 42 lbs/lb-mole (propylene.)	Emissions from analyzer atmospheric reference valves are calculated by material balance. Each analyzer equipped with an ARV is assumed to discharge a three-foot length of 1/8-inch OD tubing directly to the atmosphere every 120 seconds. The tubing is pressurized to 29.7 psia prior to venting. All emissions are assumed to be VOC. Speciated VOC emissions assume 1/3 benzene, 1/3 toluene, and 1/3 VOC-U by volume. VOC-U assumed to be 42 lbs/lb-mole (propylene.)
AOARVS	AOARVS	Analyzer Atmospheric Reference Valves	Benzene	N/A	N/A	Emissions from analyzer atmospheric reference valves are calculated by material balance. Each analyzer equipped with an ARV is assumed to discharge a	Emissions from analyzer atmospheric reference valves are calculated by material balance. Each analyzer equipped with an ARV is assumed to discharge a three-foot

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						three-foot length of 1/8-inch OD tubing directly to the atmosphere every 120 seconds. The tubing is pressurized to 29.7 psia prior to venting. All emissions are assumed to be VOC. Speciated VOC emissions assume 1/3 benzene, 1/3 toluene, and 1/3 VOC-U by volume. VOC-U assumed to be 42 lbs/lb-mole (propylene.)	length of 1/8-inch OD tubing directly to the atmosphere every 120 seconds. The tubing is pressurized to 29.7 psia prior to venting. All emissions are assumed to be VOC. Speciated VOC emissions assume 1/3 benzene, 1/3 toluene, and 1/3 VOC-U by volume. VOC-U assumed to be 42 lbs/lb-mole (propylene.)
AOARVS	AOARVS	Atmospheric Reference Valves	Toluene	N/A	N/A	Emissions from analyzer atmospheric reference valves are calculated by material balance. Each analyzer equipped with an ARV is assumed to discharge a three-foot length of 1/8-inch OD tubing directly to the atmosphere every 120 seconds. The tubing is pressurized to 29.7 psia prior to venting. All emissions are assumed to be VOC. Speciated VOC emissions assume 1/3 benzene, 1/3 toluene, and 1/3 VOC-U by volume. VOC-U assumed to be 42 lbs/lb-mole (propylene.)	Emissions from analyzer atmospheric reference valves are calculated by material balance. Each analyzer equipped with an ARV is assumed to discharge a three-foot length of 1/8-inch OD tubing directly to the atmosphere every 120 seconds. The tubing is pressurized to 29.7 psia prior to venting. All emissions are assumed to be VOC. Speciated VOC emissions assume 1/3 benzene, 1/3 toluene, and 1/3 VOC-U by volume. VOC-U assumed to be 42 lbs/lb-mole (propylene.)
10T-113	10T-113	Tank 113	VOC	17.11	0.04	Throughput data is based on purchasing records obtained and used to calculate emission rates.	Monthly throughput data is based on purchasing records obtained and used to calculate emission rates.
10T-112 (Should be corrected to 10T-114)	10T-112 (Should be corrected to 10T-114)	Tank 112 (Should be corrected to 10T-114)	VOC	17.11	0.04	Throughput data is based on purchasing records obtained and used to calculate emission rates.	Monthly throughput data is based on purchasing records obtained and used to calculate emission rates.
LOUT1596	LOUT1596	Tank 1596	VOC	11.62	32.28	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						§63.120 and/or 40 CFR §60.113b.	40 CFR §60.113b.
LOUT1596	LOUT1596	Tank 1596	Benzene	4.37	8.61	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT1596	LOUT1596	Tank 1596	Toluene	3.52	2.24	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT1597	LOUT1597	Tank 1597	VOC	12.37	32.84	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT1597	LOUT1597	Tank 1597	Benzene	1.84	2.72	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT1597	LOUT1597	Tank 1597	Toluene	3.52	1.63	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33752	LOUT33752	Tank 33752	VOC	16.55	6.88	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33752	LOUT33752	Tank 33752	Benzene	0.17	0.07	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33753	LOUT33753	Tank 33753	VOC	1.44	1.48	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33753	LOUT33753	Tank 33753	Benzene	0.07	0.07	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33755	LOUT33755	Tank 33755	VOC	12.20	37.03	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition,	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33755	LOUT33755	Tank 33755	Benzene	0.37	0.37	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33755	LOUT33755	Tank 33755	Toluene	0.12	0.19	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33756	LOUT33756	Tank 33756	VOC	12.20	37.03	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33756	LOUT33756	Tank 33756	Benzene	0.37	0.37	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33756	LOUT33756	Tank 33756	Toluene	0.12	0.19	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions

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						compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33758	LOUT33758	Tank 33758	VOC	4.15	2.88	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. Measured temperature is used.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. Measured temperature is used.
LOUT33758	LOUT33758	Tank 33758	Benzene	0.46	0.37	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. Measured temperature is used.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. Measured temperature is used.
LOUT33758	LOUT33758	Tank 33758	Toluene	0.17	0.14	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. Measured temperature is used.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. Measured temperature is used.
LOUT33759	LOUT33759	Tank 33759	VOC	3.08	3.79	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33759	LOUT33759	Tank 33759	Benzene	0.46	0.38	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used. In addition, the floating roof seal integrity is inspected as required by 40 CFR §63.120 and/or 40 CFR §60.113b.
LOUT33760	LOUT33760	Tank 33760	VOC	5.60	3.83	Measured throughput for the	Measured throughput for the storage

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used.	tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used.
LOUT33760	LOUT33760	Tank 33760	Benzene	0.62	0.50	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used.
LOUT33760	LOUT33760	Tank 33760	Toluene	0.22	0.19	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used.	Measured throughput for the storage tank is determined based on level changes of the liquid in the tank. Measured or known compositions are used.
LOUT33757	LOUFLARE, AUFLARE-1	Tank 33757	VOC	N/A, emissions are accounted for at flare EPNs.	N/A, emissions are accounted for at flare EPNs.	Emissions from this storage tank are accounted for through the flare EPNs (EPN AUFLARE-1 and/or LOUFLARE).	Emissions from this storage tank are accounted for through the flare EPNs (EPN AUFLARE-1 and/or LOUFLARE).
LOUT33799	LOUFLARE, AUFLARE-1	Tank 33799	VOC	N/A, emissions are accounted for at flare EPNs.	N/A, emissions are accounted for at flare EPNs.	Emissions from this storage tank are accounted for through the flare EPNs (EPN AUFLARE-1 and/or LOUFLARE).	Emissions from this storage tank are accounted for through the flare EPNs (EPN AUFLARE-1 and/or LOUFLARE).

Appendix B Cap Contribution of Miscellaneous Sources and Ongoing Compliance

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
TK-94285	TK-94285	Yellow Fiberglass Tank	VOC	N/A	0.01	N/A, part of a Miscellaneous Source group which is accounted for collectively.	N/A, part of a Miscellaneous Source group which is accounted for collectively.
94745	94745	Yellow Fiberglass Tank	VOC	N/A	<0.01	N/A, tank stores inorganic material without VOC emissions.	N/A, tank stores inorganic material without VOC emissions.
97368	97368	LOU Cooling Tower Microbiocide Injection Tank	VOC	N/A	<0.01	N/A, tank stores inorganic material without VOC emissions.	N/A, tank stores inorganic material without VOC emissions.
97369	97369	LOU Cooling Tower Dispersant Injection Tank	VOC	N/A	0.08	N/A, part of a Miscellaneous Source group which is accounted for collectively.	N/A, part of a Miscellaneous Source group which is accounted for collectively.
97370	97370	LOU Cooling Tower Treatment Chemical Injection Tank	VOC	N/A	<0.01	N/A, tank stores inorganic material without VOC emissions.	N/A, tank stores inorganic material without VOC emissions.
TK-97371	TK-97371	LOU Cooling Tower Treatment Chemical Injection Tank	VOC	N/A	0.04	N/A, part of a Miscellaneous Source group which is accounted for collectively.	N/A, part of a Miscellaneous Source group which is accounted for collectively.
TK-97372	TK-97372	LOU Cooling Tower Treatment Chemical Injection Tank	VOC	N/A	0.02	N/A, part of a Miscellaneous Source group which is accounted for collectively.	N/A, part of a Miscellaneous Source group which is accounted for collectively.
981715	981715	LOU Caustic System Inhibitor Injection Tank	VOC	N/A	<0.01	N/A, tank stores inorganic material without VOC emissions.	N/A, tank stores inorganic material without VOC emissions.
C13571	C13571	Yellow Fiberglass Tank	VOC	N/A	0.02	N/A, part of a Miscellaneous Source group which is accounted for collectively.	N/A, part of a Miscellaneous Source group which is accounted for collectively.
MCST-7	MCST-7	LOU Cooling Tower Grey Steel Lube Oil (R&O 68 Oil) Tank	VOC	N/A	N/A	N/A, tank stores lube oil, which is not an air contaminant.	N/A, tank stores lube oil, which is not an air contaminant.
30G-101	30G-101	Radio Tower Emergency Generator A&O Radio Tower	CO	N/A	<0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
30G-101	30G-101	Radio Tower Emergency Generator A&O Radio Tower	NOx	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
30G-101	30G-101	Radio Tower Emergency Generator A&O Radio Tower	PM	N/A	<0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
30G-101	30G-101	Radio Tower Emergency Generator A&O Radio Tower	PM10	N/A	<0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
30G-101	30G-101	Radio Tower Emergency Generator A&O Radio Tower	PM2.5	N/A	<0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
30G-101	30G-101	Radio Tower Emergency Generator A&O Radio Tower	SO2	N/A	<0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
30G-101	30G-101	Radio Tower Emergency Generator A&O Radio Tower	VOC	N/A	<0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-105B	33P-105B	72 Firewater Pump E of LOU along Miller Farm Road	CO	N/A	0.03	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
33P-105B	33P-105B	72 Firewater Pump E of LOU along Miller Farm Road	NOx	N/A	0.13	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
33P-105B	33P-105B	72 Firewater Pump E of LOU along Miller Farm Road	PM	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
33P-105B	33P-105B	72 Firewater Pump E of LOU along Miller Farm Road	PM10	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
33P-105B	33P-105B	72 Firewater Pump E of LOU along Miller Farm Road	PM2.5	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
33P-105B	33P-105B	72 Firewater Pump E of LOU along Miller Farm Road	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-105B	33P-105B	72 Firewater Pump	VOC	N/A	0.01	The horsepower of the diesel engine	The horsepower of the diesel engine,

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
		E of LOU along Miller Farm Road				and EPA's Tier III emission factors are used to calculate emissions.	hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
33P-106	33P-106	71 Firewater Pump 1 E of Hwy. 73, near Chemical Plant Road	CO	N/A	0.04	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-106	33P-106	71 Firewater Pump 1 E of Hwy. 73, near Chemical Plant Road	NOx	N/A	0.19	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-106	33P-106	71 Firewater Pump 1 E of Hwy. 73, near Chemical Plant Road	PM	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-106	33P-106	71 Firewater Pump 1 E of Hwy. 73, near Chemical Plant Road	PM10	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-106	33P-106	71 Firewater Pump 1 E of Hwy. 73, near Chemical Plant Road	PM2.5	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-106	33P-106	71 Firewater Pump 1 E of Hwy. 73, near Chemical Plant Road	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-106	33P-106	71 Firewater Pump 1 E of Hwy. 73, near Chemical Plant Road	VOC	N/A	0.02	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-107	33P-107	71 Firewater Pump 2 E of Hwy. 73, near Chemical Plant Road	CO	N/A	0.04	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-107	33P-107	71 Firewater Pump 2 E of Hwy. 73, near Chemical Plant Road	NOx	N/A	0.19	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-107	33P-107	71 Firewater Pump 2 E of Hwy. 73, near Chemical Plant Road	PM	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-107	33P-107	71 Firewater Pump 2 E of Hwy. 73, near Chemical Plant Road	PM10	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-107	33P-107	71 Firewater Pump 2 E of Hwy. 73, near Chemical Plant Road	PM2.5	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
33P-107	33P-107	71 Firewater Pump 2 E of Hwy. 73, near Chemical Plant Road	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
33P-107	33P-107	71 Firewater Pump 2 E of Hwy. 73, near Chemical Plant Road	VOC	N/A	0.02	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109A	34P-109A	West Storm Water Pump 1 E of Hwy 73, NW of Entergy utility area	CO	N/A	0.02	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109A	34P-109A	West Storm Water Pump 1 E of Hwy 73, NW of Entergy utility area	NOx	N/A	0.08	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109A	34P-109A	West Storm Water Pump 1 E of Hwy 73, NW of Entergy utility area	PM	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109A	34P-109A	West Storm Water Pump 1 E of Hwy 73, NW of Entergy utility area	PM10	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109A	34P-109A	West Storm Water Pump 1 E of Hwy 73, NW of Entergy utility area	PM2.5	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109A	34P-109A	West Storm Water Pump 1 E of Hwy 73, NW of Entergy utility area	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109A	34P-109A	West Storm Water Pump 1 E of Hwy 73, NW of Entergy utility area	VOC	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109B	34P-109B	West Storm Water Pump 2 E of Hwy 73, NW of Entergy utility area	CO	N/A	0.02	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109B	34P-109B	West Storm Water Pump 2 E of Hwy 73, NW of Entergy utility area	NOx	N/A	0.08	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109B	34P-109B	West Storm Water Pump 2 E of Hwy 73, NW of Entergy utility area	PM	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109B	34P-109B	West Storm Water Pump 2 E of Hwy 73, NW of Entergy utility area	PM10	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
34P-109B	34P-109B	West Storm Water Pump 2 E of Hwy 73, NW of Entergy utility area	PM2.5	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109B	34P-109B	West Storm Water Pump 2 E of Hwy 73, NW of Entergy utility area	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109B	34P-109B	West Storm Water Pump 2 E of Hwy 73, NW of Entergy utility area	VOC	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109C	34P-109C	West Storm Water Pump 3 E of Hwy 73, NW of Entergy utility area	CO	N/A	0.02	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109C	34P-109C	West Storm Water Pump 3 E of Hwy 73, NW of Entergy utility area	NOx	N/A	0.08	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109C	34P-109C	West Storm Water Pump 3 E of Hwy 73, NW of Entergy utility area	PM	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109C	34P-109C	West Storm Water Pump 3 E of Hwy 73, NW of Entergy utility area	PM10	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109C	34P-109C	West Storm Water Pump 3 E of Hwy 73, NW of Entergy utility area	PM2.5	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109C	34P-109C	West Storm Water Pump 3 E of Hwy 73, NW of Entergy utility area	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109C	34P-109C	West Storm Water Pump 3 E of Hwy 73, NW of Entergy utility area	VOC	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109D	34P-109D	West Storm Water Pump 4 E of Hwy 73, NW of Entergy utility area	CO	N/A	0.02	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109D	34P-109D	West Storm Water Pump 4 E of Hwy 73, NW of Entergy utility area	NOx	N/A	0.08	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109D	34P-109D	West Storm Water Pump 4 E of Hwy 73, NW of Entergy utility area	PM	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
34P-109D	34P-109D	West Storm Water Pump 4 E of Hwy 73, NW of Entergy utility area	PM10	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109D	34P-109D	West Storm Water Pump 4 E of Hwy 73, NW of Entergy utility area	PM2.5	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109D	34P-109D	West Storm Water Pump 4 E of Hwy 73, NW of Entergy utility area	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-109D	34P-109D	West Storm Water Pump 4 E of Hwy 73, NW of Entergy utility area	VOC	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-114A	34P-114A	Clean Water (SW) Pump E of LOU Control House	CO	N/A	0.02	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114A	34P-114A	Clean Water (SW) Pump E of LOU Control House	NOx	N/A	0.07	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114A	34P-114A	Clean Water (SW) Pump E of LOU Control House	PM	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114A	34P-114A	Clean Water (SW) Pump E of LOU Control House	PM10	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114A	34P-114A	Clean Water (SW) Pump E of LOU Control House	PM2.5	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114A	34P-114A	Clean Water (SW) Pump E of LOU Control House	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-114A	34P-114A	Clean Water (SW) Pump E of LOU Control House	VOC	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
34P-114B	34P-114B	Clean Water (SW) Pump E of LOU Control House	CO	N/A	0.02	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114B	34P-114B	Clean Water (SW) Pump E of LOU Control House	NOx	N/A	0.07	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114B	34P-114B	Clean Water (SW) Pump E of LOU Control House	PM	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114B	34P-114B	Clean Water (SW) Pump E of LOU Control House	PM10	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114B	34P-114B	Clean Water (SW) Pump E of LOU Control House	PM2.5	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114B	34P-114B	Clean Water (SW) Pump E of LOU Control House	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-114B	34P-114B	Clean Water (SW) Pump E of LOU Control House	VOC	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114S	34P-114S	Clean Water (SW) Pump E of LOU Control House	CO	N/A	0.02	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114S	34P-114S	Clean Water (SW) Pump E of LOU Control House	NOx	N/A	0.07	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114S	34P-114S	Clean Water (SW) Pump E of LOU Control House	PM	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
34P-114S	34P-114S	Clean Water (SW) Pump E of LOU Control House	PM10	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114S	34P-114S	Clean Water (SW) Pump E of LOU Control House	PM2.5	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-114S	34P-114S	Clean Water (SW) Pump E of LOU Control House	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-114S	34P-114S	Clean Water (SW) Pump E of LOU Control House	VOC	N/A	0.01	The horsepower of the diesel engine and EPA's Tier III emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and EPA's Tier III emission factors are used to calculate emissions.
34P-118S	34P-118S	API Separator Emergency Pump N of AU at API Separator	CO	N/A	0.03	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-118S	34P-118S	API Separator Emergency Pump N of AU at API Separator	NOx	N/A	0.15	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-118S	34P-118S	API Separator Emergency Pump N of AU at API Separator	PM	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-118S	34P-118S	API Separator Emergency Pump N of AU at API Separator	PM10	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-118S	34P-118S	API Separator Emergency Pump N of AU at API Separator	PM2.5	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-118S	34P-118S	API Separator Emergency Pump N of AU at API Separator	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
34P-118S	34P-118S	API Separator Emergency Pump N of AU at API Separator	VOC	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
41LG-2000	41LG-2000	Uninterrupted Power Source Emergency Generator	CO	N/A	0.06	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
		LOU Control House					
41LG-2000	41LG-2000	Uninterrupted Power Source Emergency Generator LOU Control House	NOx	N/A	0.25	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
41LG-2000	41LG-2000	Uninterrupted Power Source Emergency Generator LOU Control House	PM	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
41LG-2000	41LG-2000	Uninterrupted Power Source Emergency Generator LOU Control House	PM10	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
41LG-2000	41LG-2000	Uninterrupted Power Source Emergency Generator LOU Control House	PM2.5	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
41LG-2000	41LG-2000	Uninterrupted Power Source Emergency Generator LOU Control House	SO2	N/A	0.13	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
41LG-2000	41LG-2000	Uninterrupted Power Source Emergency Generator LOU Control House	VOC	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
P-1	P-1	R&D Storm Water Pump At R&D	CO	N/A	0.02	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
P-1	P-1	R&D Storm Water Pump At R&D	NOx	N/A	0.08	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
P-1	P-1	R&D Storm Water Pump At R&D	PM	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
P-1	P-1	R&D Storm Water Pump At R&D	PM10	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
P-1	P-1	R&D Storm Water Pump At R&D	PM2.5	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used	The horsepower of the diesel engine, hours of operation, and AP-42 emission

FIN	EPN	Source Name	Pollutant	Emission Rate (lb/hr)	Emission Rate (tpy)	Calculation Method for Ongoing Compliance with MAERT Limits (lb/hr)	Calculation Method for Ongoing Compliance with MAERT Limits (tpy)
						to calculate emissions.	factors are used to calculate emissions.
P-1	P-1	R&D Storm Water Pump At R&D	SO2	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.
P-1	P-1	R&D Storm Water Pump At R&D	VOC	N/A	0.01	The horsepower of the diesel engine and AP-42 emission factors are used to calculate emissions.	The horsepower of the diesel engine, hours of operation, and AP-42 emission factors are used to calculate emissions.

Date: January 17, 2023

Emission Sources, Emissions Caps, and Individual Maximum Allowable Emission Rates

Flexible Permit Numbers 16989 and PSDTX794

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)
Aromatics and Olefins Plant, Aromatics Unit (AU)		
Flare		
AUFLARE-1	AU Flare	CO, NO_x, SO_2, VOC, Benzene, Toluene
Process Fugitive Areas		
AUFUGS	AU Fugitives (5)	VOC, Benzene, Toluene
Tanks		
AUT33979	Tank 33979	VOC
AUT4881	Tank 4881	VOC
AUT4882	Tank 4882	VOC
AUT4883	Tank 4883	VOC
AUT4884	Tank 4884	VOC, Benzene
AUT4930	Tank 4930	VOC
Aromatics and Olefins Plant, Cyclohexane Unit (CHXU)		
Process Fugitive Areas		
CHXUFUGS	Cyclohexane Unit Fugitives (5)	VOC, Benzene
Aromatics and Olefins Plant, Light Olefins Unit (LOU)		
Cooling Tower		
LOUCOOLTWR	LOU Cooling Tower	VOC, Benzene, Toluene, PM, PM_{10}, $PM_{2.5}$
Flare		
LOUFLARE	LOU Elevated Flare	CO, NO_x, SO_2, VOC, Benzene, Toluene
Process Fugitive Areas		
LOUFUGS	LOU Fugitives (5)	VOC, Benzene, Toluene
Combustion Sources		
LOUBOILER1	Cracking Furnace A	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)
LOUBOILER2	Cracking Furnace B	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUBOILER3	Cracking Furnace C	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUBOILER4	Cracking Furnace D	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUBOILER5	Cracking Furnace E	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUBOILER6	Cracking Furnace F	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUBOILER7	Cracking Furnace G	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUBOILER8	Ethane Cracking Furnace	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUBOILER9	Superheater A	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUBOILR10	Superheater B	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUBOILR11	Cracking Furnace H	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
LOUHEATER1	GHU Regeneration Heater	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC
Loading		
LOUPFOLR	LOU Loading Rack	VOC, Benzene, Toluene
Miscellaneous Sources		
ABRSVCLEAN	Abrasive Blasting Area	PM, PM_{10}, $PM_{2.5}$
AOMPANTFUG	Plant Painting Operations	VOC
LOUAPIVO	API Regenerative Thermal Oxidizer (RTO)	CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC, Benzene, Toluene
LOUVENTDD1	LOU Decoking Drum No. 1	CO, PM, PM_{10}, $PM_{2.5}$
LOUVENTDD2	LOU Decoking Drum No. 2	CO, PM, PM_{10}, $PM_{2.5}$
LOUCARBON1	API Carbon Adsorption System	VOC, Benzene
AOARVS	Analyzer, Atmospheric Reference Valve	VOC, Benzene, Toluene
Tanks		
10T-113	Tank 113	VOC
10T-114	Tank 114	VOC
LOUT1596	Tank 1596	VOC, Benzene, Toluene
LOUT1597	Tank 1597	VOC, Benzene, Toluene

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)		
LOUT33752	Tank 33752	VOC, Benzene		
LOUT33753	Tank 33753	VOC, Benzene		
LOUT33755	Tank 33755	VOC, Benzene, Toluene		
LOUT33756	Tank 33756	VOC, Benzene, Toluene		
LOUT33758	Tank 33758	VOC, Benzene, Toluene		
LOUT33759	Tank 33759	VOC, Benzene		
LOUT33760	Tank 33760	VOC, Benzene, Toluene		
Aromatics and Olefins Plant, Miscellaneous Sources				
Miscellaneous Chemical Storage Tanks (6)		VOC		
Diesel Internal Combustion Engines (6)		CO, NO_x, PM, PM_{10}, $PM_{2.5}$, SO_2, VOC		
EMISSION CAPS		**Air Contaminant Name (3)**	**Emission Rates**	
			lbs/hour	**TPY (4)**
		CO	394.34	912.43
		NO_x	352.16	866.35
		PM	31.50	90.45
		PM_{10}	31.41	90.04
		$PM_{2.5}$	31.12	88.78
		SO_2	185.49	197.47
		VOC	242.4	452.6
		Benzene (9)	16.77	41.66
		Toluene (9)	8.92	8.39

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Planned Maintenance, Startup and Shutdown (MSS) Emission Limits				
MSSLOUFLARE	LOU FLARE	VOC (7)	585.90	49.20
		VOC (8)	3012.99	4.94
		Benzene (9)	299.30	2.24
		NO_x (7)	58.83	5.27
		NO_x (8)	1251.90	7.16
		CO (7)	117.45	36.04
		CO (8)	2499.26	14.30
MSSAUSFLARE	AU FLARE	VOC (7)	414.74	0.92
		VOC (8)	0.01	0.01
		Benzene (9)	109.14	0.31
		NO_x (7)	75.69	0.11
		NO_x (8)	26.52	0.08
		CO (7)	151.10	0.22
		CO (8)	52.95	0.16
MSSRTO	Thermal Oxidizer	VOC	0.73	0.07
		Benzene (9)	0.73	0.07
		NO_x	2.22	0.27
		CO	1.48	0.18
		PM	0.02	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		SO_2	0.03	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MSSFUG	Fugitive Emissions (5)	VOC	77.75	4.14
		Benzene (9)	0.90	0.08
		NO_x	45.19	6.31
		CO	83.09	7.26
		PM	90.34	1.14
		PM_{10}	81.34	1.10
		$PM_{2.5}$	81.34	1.10
		SO_2	2.77	0.42

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$ as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - total particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(6) Miscellaneous sources are identified and listed in Appendix B to Attachment D Emission Caps Compliance Plan of the permit.
(7) Planned Maintenance, Startup, and Shutdown (MSS) Emissions as described in the permit Special Condition numbers 36 through 52 and Attachments A, B, and C.
(8) LOU Startup emissions may occur for 73 hours annually.
(9) Total VOC allowable emissions include benzene and toluene.

Date: January 17, 2023